

gtgctaagca cgagaatggg gctaagcgcg ccttcaaggt cagaaagccc ttgtaagcc 180
 tgatttgcac agaaaaaag acagaggggtg acaacgtgaa aaaggtcaga attgactacc 240
 aattatgtgc agagaacaga ggaatagttg agcaatgaag caaaggcctt aacttttagg 300
 tagattctag gttttaaaga tattttct 328

<210> 36015
 <211> 202
 <212> DNA
 <213> Glycine max

<400> 36015
 tttaaaatta acacctatag ttatgtctat ctggaacatt tatgctcacc tcttaatata 60
 gcacattggg cctattgatc acagaatatc cacaccaag gaactgtagc tagagagtgc 120
 taatactgga ggctatatat gcatttactt atatgcctat gagattagat cgatagatga 180
 catggattat gttcaacgat tt 202

<210> 36016
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 36016
 agctttatth gtgcgggtct gggagacgaa ggtcaagtgt gcgcgatatg tgaagatgat 60
 gttccaagta ctttggattt ggtccgacca tgccctcctg atttccagct gggaaattgg 120
 cgagtggagg aacgccccgg catttacgct acacgcataa tgtaaaccct tacggtttta 180
 aaagctctat attggggcct acgctttaga gacttctttt cgataaggct ttgcgtgctt 240
 cgttttgaat tgataatata aggatctttc ttcactgtgt cctagtctct acccattctc 300
 attcatttgc atgtgtactt ctttttg 327

<210> 36017
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36017

agctttgaat gctctattca atggagttga caagaatata ttcagactga tcaacacttg 60
cacagtggcc aaggatgcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120
gaagatgtcc agattgcaac tattggctac aaaattcgaa aatctgaaga tgaaggagga 180
agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
gggagagagg atgacagatg aaaagctggt gagaaagatc ctcagatcct tgcctaagag 300
gtttgacatg atagtactg caatagagga ggcccaagac atctgcaaca tgagagtaga 360
agaactcatt ggntcccttc anacctttga gctangactc tcggataggg ctgaaaagaa 420
gagcaagaat ctggcgttcg tg 442

<210> 36018
<211> 416
<212> DNA
<213> Glycine max

<400> 36018

tgcattgccag cctctattgc ttttattcat tcttacctgg ggctatctca aaccttgat 60
ttttgttgct tatgatattg catacacctc cttcagagtg aagtgtgtag cctctctcca 120
tcatttgccc aatgcttaga agattgtctt ttaggctggg aactagtaag acatcatgga 180
tgagtgcggt acctttatct gtctccacca tgatagtgc tttgcctttt gattcaacca 240
cacttgatatt tcccagttga actatgactt tgacagactc atcaatactt ttaaaaatag 300
tcttatcctt ggccatgtga ttgctacatc cactatccaa gtaccagttt cctccctttt 360
cttttatcga gtcttgagtg gcgtagaacg tacattgttc ttgatcatgc tctctt 416

<210> 36019
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36019

agctatcact atcggtctca atactangca cacctctctc tcgcatcgtg aaatctatac 60
atggaagcca aagacttggt gcgctgacta gctcttccaa taggcgtggt actaattata 120
catatcactc aagttcccaa caaagaggct gtagactgca acctttactc gggatgggtgc 180
accacaaaga accgcttcta ctcttcaaca catcctagta accctgatta gacaccgtca 240

tcattgtaca catatcatca caaccaaacac catgatgaat ctgatatatc tgaacaccct 300
cttgac 306

<210> 36020
<211> 410
<212> DNA
<213> Glycine max

<400> 36020

agcttcatat ttgatttatg tgcaaccata tcccttaaag tctcttcacg aggtggaggt 60
tgtgccatgt tctcagaatg tgcatgatca gaatgctcag aatcagaatg ctcaatgaaa 120
ttctgatacc aatgccagat gtcgtacagg atgtcacgac atcacgcttc agaacatgca 180
gattatctct gagtgtatga acagattaaa catgtctata acacacgata attgctaacc 240
cagttcgggtg caacctcacc tacatctggg ggctaccaag ccagggagga aatccactaa 300
aatagtgtta gttcaaggtc taacagccac tatttacaac cttctcacct aaccactacc 360
cgtgcgacct ctacctatga gccactctta tatatgagaa cccctctcac 410

<210> 36021
<211> 428
<212> DNA
<213> Glycine max

<400> 36021

tccatattgc tgtaaagaag aacagagatc tgtatggtga tctgcagaag aacatagacc 60
acagactctt acaacaggtg tagatttctg attcatggca agttgagtta ctatgttgac 120
caagccatca agttttcctt caagcttttt attttcagta gatgaagatg aatccatggc 180
cacctcatgg actcctctaa gaacaataac atcatttctt aactgaatt gttgggagtt 240
ggaagccatc ttctcaatca aattcctagc ttcagcaggg gtcatatcac caagagctcc 300
accactggca gcatcaatca tactcctctc catgttgcta agaccctcat agaaatattg 360
aagaaggagt tgctcagaaa tctggtggtg aggacagcat gcacacaatt tctttgatct 420
ttcccagt 428

<210> 36022
<211> 375

<212> DNA
 <213> Glycine max
 <400> 36022
 agcttcatct atcattcgct gcaagcggcg tgtatggtct cccatggcgg atgcgaaagg 60
 gacgagtgtt tgtttcacct cggggagtca cagcacatgg aaacctgtcc cgcagtagaa 120
 gaattgcttc aacggctcat ggactggggg cagcttgaag tgtccaaagg agggaaggag 180
 gaaccacata tttgcatgta gtgggaagaa aggaaggttc ccttaacccc ccaaggccct 240
 agtaatatgt tttactagga aagggaccgg ctccacaccc atataacccc ggacagcgcc 300
 cgagccaacg ccatttgc atcaaagtaa taacgccgtt ccgtggaagt ataccctcc 360
 cgcgttcaac gaaag 375

<210> 36023
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36023
 agctntcatc tctggtctca atactattca cacctctctc tcaactcgtga tatctatcca 60
 tggaggccaa aaacttgtgg cgcttccttg ttctttcaat cgggtgtgga ctagttttac 120
 ttgtcactcg gttcccaac aaggaggctc tagactgcaa cctttactct ggatggtgca 180
 cctcaaagaa ccgcttctac tcttcagcac atcctaataa cccgattaag aaaccatcat 240
 cattttccac atatcatcac aaccaacacc atgatgaatc tgagattcct gaacaccctc 300
 ttgaccctct aaccatccaa gagttcaaca aggtccgcac catcctatcc aaccaccccc 360
 tcttcaagtc ctcatccacc tacactctca actcagttgt ccttgaagag ccagacaaaa 420
 agctagtcct c 431

<210> 36024
 <211> 373
 <212> DNA
 <213> Glycine max
 <400> 36024
 gttgagatta taactagcta gttgtagtct tgtgtagtag tagcttgat ctgagaatat 60

aaatactttg taacacacac ttacaaaac aatcataata tttttttctt ctttcatctt 120
cattctctat ttttctctcc tctgtaactg aatcctaacc aactcaacac cattctttct 180
caaaatcgtt attgcatcct ttagggctct ttgataaatg tgtttgatc tatgttcttt 240
ggtaagtccc attctttgca ttgaaagggtg tcctattgac cttaatgggg ggtctctagt 300
gacttatatg gatttatatga tcattctttt actattagat gatctcaact aggcttctct 360
ttatcgattg act 373

<210> 36025
<211> 335
<212> DNA
<213> Glycine max

<400> 36025
agcttgtact ttctcttggt gcgctataaa ccatgcacat tatatgtctg catcccatca 60
tcatgcactg cactgccaaa tggtgcaagt aagaagagat aaattttctg ggctctcgtg 120
tgcataaaat acatttgtgt catgcgccga ataagcatct cttcatgcat ccattccatg 180
atagatgttg aagtattgat tcaaaccgga tttttcattc tactaaacat gggatcaaat 240
caaacacctc ttctcaagat aagggttctat caagtcaaaa tcaagagctt agaggctcact 300
agtttacgag agtgggggca attaatgggt caact 335

<210> 36026
<211> 396
<212> DNA
<213> Glycine max

<400> 36026
atattattgg ggggttgaat taatacgata gtggatcatg ctatgagaaa aaattaccga 60
ccacaggaca ttaaagata tagacttggt atgatgatgt atatatacgt gagatacatg 120
gttacttggg ttgcttaatg tgcaatacat aaaaaacttt cacacatatt tctaatttaa 180
ataaatccaa taaattttcc aaactaatta tttgtagatc cgtttttagtt attttaaatt 240
agtataaaaa tatataatgt tgcaacgagt tgcaaacaca aatattatga ctatagacca 300
aatagaagc taacaaaac aaatactaatt ttatttattt tgctaacaaa ttatattgag 360
aatagagga tgtcaagcta atctttaact ctacta 396

<210> 36027
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36027

agtggatatct tcttttgttc gtacatcctc atgcacatcg aaatgaaaaa gctgtacaga 60
 tagaaaaaca agtaattgta acaccgcaaa attaatcaca agttaaatag gggacacttt 120
 caagtttata atggcatgca aatgttattt agggatgaga tacttcagat gatatgccat 180
 tttgaaggag catgctagca tataaacact acaacattga agcattatca caagataaaa 240
 cccagcaatt atcagaagaa ttccaactgg tcatgactca tgagaactga atgttgtcat 300
 gtaaaccatc acagttaagt tcattgcaga agatcggaca tgagaatnta ttattaattg 360
 tntttcgact tagtatctct aataccattt gtaanaagga aataaatttg tgaggggaaa 420
 aaagagacat gcttg 435

<210> 36028
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36028

agcttggtgt tttgaatcca atntatataa tatatgggcc gagtcttctt ttcataagata 60
 atctattaac accatttaaa tcccttggac ccaatgacag accataattt atttcatgca 120
 gactagaaag acatcatgca actaaaaaaaa taatagatac aaattacttc tttcatattg 180
 atgcatagga agattttctta aatacaatgt atatagccat atcttcattt acaattacaa 240
 acaatgctac agaatatgga caacataaaa ctaagttcct gaccaaaggg cctaagcaaa 300
 tggcaataat aaacttatca atatcatatt caaactgccg gtgctatttc ctattgcat 360
 tatgactcac atatacaaca tactgtacag atgacatgat agaaccaccc aaaataatgg 420
 caagcacatg ctat 434

<210> 36029
 <211> 455
 <212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 36029

 tgccttccaa cctaaagttt tttttatggt tggccaccaa aaatattttc taattagttt 60
 ttatgcttgt ctcatgaatt gacatcacca ttagtttata tacaattggt ttgttcttta 120
 ccagaatatg tgcttatgat atttttgtga ttatccaggc caacaatggt gacatgtaca 180
 taaatgggca tgaccattgc ctccaacata taagcagcac agataggtaa cgaataaaca 240
 aaaatacatt ctcccaatca aactatatat gtggttntat aaagtaattt cttctttatt 300
 ataccaatat caaaatgcag cccacttcta tatttaacga gtggagcagg atcaaaggca 360
 tggagagggtg atgttaaaga aaccacttt gatgtgaaat tcttttatga tggtaagggt 420
 ttcattgtctg ttcaaatgac tgaccatgac acaaa 455

<210> 36030
 <211> 378
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36030

 agcttgacag cttgtgatct tangaggaaa tactaatttg ggatgcaatt ccctaattgta 60
 acatatagtg tgctttcttt taaaagaaaa aatagatcca gatattctaat cccaattgat 120
 attttaatcc ggtcaagaat attaactaaa tgatgaaatt aaagttctct cggaattttt 180
 actacaccct gtaattttta cttatccacc ggatttactt atgtggaatt ttaattatat 240
 gcacgaataa ttctattcgc tataataatg atattcaact ctaatagaac tactgtttgt 300
 aaataatata tgtgatttac aacaatataa acttctaaga ccttatttat agacatgtga 360
 gtacatatta ctattact 378

<210> 36031
 <211> 372
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36031

 agcttancgc naatcanaaa gtctcanaat cttaattgtct gagcactagt cccgctagca 60

cacagacgcg cttagcgggc tcatcactta cattcatcag catggatgaa cgcacttagc 120
 gcgacatggt ccgcttagcc cgttcatcta gaaatccaaa catctaacag ttgtgatgaa 180
 cacgctaagc gcaacatgcg cgcttagcgc gttcatcacg atttgtaaag agatccacag 240
 ggggtcttcac ccctttcagc cacattgccc ctaatggggt tctaagttac ctagaatcct 300
 acattgacta atgctataac taatagcctt aacctatcaa catacaactc acaaaacatg 360
 aagtcaccta tc 372

<210> 36032
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 36032

agcttatctg ttttgcctt cctcagtgtc ctgaatcgat catacaacaa cttatcaggc 60
 agaattctca cgagcaccca acttcagagc tttgaagaac ttagctacac tggaaatcct 120
 gagctttgtg gtcctcctgt aacaaaaaat tgcacagaca aggaagagtt gacagagagt 180
 gcttctgttg gacacggtga tggtaatttc tttggaacat cagagtttga tatcggtatg 240
 ggagttggat ttgcagcagg attttgggggt ttttgtagtg ttgttttctt caacagaact 300
 tggaggcgtg cttattttca ttatcttgac cacttgagag atctgattta tgtgataat 359

<210> 36033
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36033

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 gttttgactt tcttatgttg tggtcattga attatgaaca tgggtcaatt tgatttttcg 120
 ataggggaatt tgagtgtgac aatctggaaa ccatattatt ttaaaaaaaaa atgttaaaat 180
 taggtttaat tattcatttg gtcattatag ttgcaataac tcttcatttt agttcctata 240
 gtttaaaaca tctcatataa ttgtcatctt tttctctttt catcttcatt gtctaaagtc 300
 acctaacggt gtttgagatg aacattacaa gacttatcat tgtcaaagtg tcaccttggg 360

[illegible]

<210>	36037
<211>	343
<212>	DNA
<213>	Glycine max

<210>	36038
<211>	434
<212>	DNA
<213>	Glycine max

15010

gctcagaaat ctaccctgag gatcatgaga accctagggc catctttagt agctctagcc 360
 caatcctctt ggatccttct atccaataacc cttg 394

<210> 36041
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36041

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 taggaagnnc aaaagccccg ctttttgtca taccaccccc aagagatctg ttaatgggtcc 120
 aaccgccta acgtttctct cctttcaaaa aacaagagat cgtaaatggt ccaacgcctt 180
 aacgtttctc tcctttcaaa atcaaaagat cgtttaattg tccaacacct tanatgatct 240
 tttgttcagt caaaatatat cttgcaaaca aagatatata caacttcaac cacgcttagt 300
 tctcaaagaa ctacataggt ttgatt 326

<210> 36042
 <211> 261
 <212> DNA
 <213> Glycine max

<400> 36042

gggaaaggta ctgtacgtgc accaactgtc atcacgtctg aacgatttct attgttagaa 60
 acgggatgag actctccaac acgccattac ggaattgacc catgcgatgc gtgagcctaa 120
 cctggcaagt gtgtaaaact gacaaagctc aaaaatcgct tattgaactg gctattcgcg 180
 gcataccggc attctcagaa ggtgccagat gcaacttgca attacgtttt acaacctcgc 240
 accggataga cgcgatccac c 261

<210> 36043
 <211> 235
 <212> DNA
 <213> Glycine max

<400> 36043

ggggaagggtg ctgactgatc aaagcgggtg tggacacacg aggttttttg cccccacctt 60

atggactgtc cgaactctgt agaagacagt cggcttgtag ctgctctccc tccccccact 120
 caccgatgag atgtgacgac accagtggat tatcacgccc gattagattc tggggactac 180
 gaccaagga tgggctctct taagctcgac tatgcttgcg actggtagct aggtg 235

<210> 36044
 <211> 230
 <212> DNA
 <213> Glycine max

<400> 36044

gtgtcatgga ttcaacaaaa aatccgcaac cttgatggca ttaccatgct attgacgaaa 60
 acccacgtca tcaactatatt tgctaaatgc aagctttctc cacattcaag aatgtcatca 120
 tcactaccaa ggtgtctctt caacaatgat aagccagata cgtacatctc agacaacatt 180
 taacgacctt taatgaggat aattatgtgt gtgcatgtgt gtgcgtgtgt 230

<210> 36045
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36045

aganaaagtg gttctactct taacggacan ttngaaaana cggcggaaga gccnngaacg 60
 aggtggggga gcgctgatct gttttgggag ganaaacaga ggcgtgtgtg gagagaacac 120
 tctgtgtagc acaacactcg gagttctacg tggataggaa cacctcactg gcaacccaac 180
 tgagctgctt agagacaaaa tatgcgctac gtgagatggt taagtatggt gccgtgacat 240
 gtcacaattt gggctttgca tctatatcta aaaaaacccg tgttcactta catctccact 300
 ctcgtttgtg aactaactat gtggggaata atgttacttt cattgattct gtaaaactga 360
 tgtaattatc ttttcacctc gactttcaga accgcacttt gaggttgaaa ctcgttatatt 420
 aaacaacgtc ggc 433

<210> 36046
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 36046

ggagaaccaa gccaatcaga atgctagacg atttatagat gtgaatatag gtaacaatgg 60
 cggtaatgac ggaccgaggc agaaccgggt tgagggagta aagctcaatg ttctctcctt 120
 caaaggtaga agtgatccag atgcctacct ggactgggaa atgaagactg agcacatatt 180
 ttcttgcaat gactacactg atgcgcagaa agtcaagcta gcagcagctg aattctccga 240
 ctatgccctt gtttggtggc ataaatacca aagagaaatg ttgagagagg aacggcgaga 300
 ggtagatata tggactgaga tgaaaagggt gatgagaaaa aggtatgtgc ccactatcta 360
 taacagaacc atgcgacag 379

<210> 36047
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36047

tatttgattt atgtcgtaag ttaggggggtg ttttgtaac gatttgtttt tactttntcc 60
 gaattaaagt gataaattat tattattatt attattatta ttattattat tattattaaa 120
 aaattatcag acaattataa tttttgagaa ttaatttttag ttcattttcc taaaaaata 180
 tttttaaaga aggaaacaaa aatctaacad ttttggtggg aggaaaagt ctagttagt 240
 attctacatg aatatttaat tatcatgaaa catattaaga ttagtcaa atgtattttata 300
 catttctaaa aatcatatgg accttatcat aaatcatgtt tcctatgtat gaaaaaacac 360
 atcccatatt aaatgtccca ttataggana ggagatanna aaaaagtggg tcatagatca 420
 catatg 426

<210> 36048
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36048

gcgcaaacac tgaagagacc ggcgggtagc aaactttcat caanaanaaa atcatgacct 60
 ttcgagcatg atatacaatc catgttggag gaatcatctc aatctgagat agacatagtn 120
 ctccactaca acatcagcct gtccctactt tccaaaatgc tactggtcca agcaagccat 180

atgttccttc tcaaattgcaa caactacatg tgcattcaca acaaagacaa ctagca 236

<210> 36049
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36049

ntgagggtgc gcagcccacc atcttttcat agtttagtac tcttttatgt gtctaccatc 60
acgattatcg tctccctttc cattattggg ggtaccacct gngccgccag atccctccac 120
cttttgggcg tgttctttga atgatccgtc cccctttttg cacatgttct gtagttgcat 180
cctatccgga accatatcaa aattgtactg atactgccta acaaaggcaa ccattatgtt 240
cttccaagaa tggactcggg aaggttccaa gttagtgtac catgtaacag ctaccccagt 300
aagactttct tggaaggaat gtatcagcaa ttctctatct tttgcgtatt ccccatctt 360
ctgacaatac atcttttagat gggtcttgag acaagtaatc cccttgta 408

<210> 36050
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36050

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ataactgnga aattgtatca attattcttg ttgaagcaca cctcttataa tattagtgtg 120
tgagccctgt aacctgtgaa ttgttgcata cacataacga gatttgtgca ttggtcacca 180
tttttttaat tcttgcattg taagcctaca cgggtctttg aagcagttta aaattctcat 240
gcttttcatc atctgttttag aaaataatct gaatgatgag taagatacat tgtttgaagt 300
gtcttactag cctacaaaga gagaaaaaat agtgaatttt gtttgcattg agtattttat 360
ttcttattag agacaaataa atatatacac acacacagac agagaaagat gtata 415

<210> 36051
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36051

canattcact tactcacgct aagcgtgata atggcgctga gcgtgacgac gagatcagga 60
agcctttttt aagcttgatt tgcataagaat tgaaggggca gccaaagagaa ctattcacta 120
ctcagaggct tgaagagtgt gaatttcaga tagcgtagag tagagcaagg ggccaagtgt 180
tcattctttt gggagattag tgagttttta agtgattgtg agattcctag aggtggaggg 240
tacatcccca ctcttttgta agcaagcaat ttctcttgat tcctcttctt cagtgtaaaa 300
ggagcttctt tgccatgaaa ggctaanacc ctcaagttggg gattcttatt gagtagtnga 360
tgtaaactct ttttcatatc taattaaggt tattntatgt ggctactact tctatctatg 420
cttattgtat gcatactt 438

<210> 36052
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36052

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gatgttaagc catgtttctca gtatgaaaat taatagttga atgctcaaaa tcagaatatt 120
cagaatcacc agcaatagaa tactcacaat gctcaaaatg ctcaaatgc tcaaaatgca 180
cagaatgatc aggatgcaca ctatgcctaa ctaatctatg aaaggttcta tctatttcan 240
gatcaaaggg ttgtaaatca cttggattgc cctagtcac gactatgatg cagcaaataa 300
tgtgtttctc aacaagcact atgggagggg taaaactaca actatagtca aatgatatcc 360
aatgaactg aaattttgtg agcaacaccc tcaaatca 398

<210> 36053
<211> 272
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36053

agcaaactgc ccattcttcc gatgcaccc atcaagaata aaagacagcc ctanacagaa 60

catataataa attatatata tagaagaaca aatcatactt caaaaacaac ctgcaatcaa 120
 acaaaaccta caagaatccc ttcaaattggc actcaagtac caactatcaa cacaacacat 180
 taatgttctc agtccttagc tgttgagaaa tatgctcact gatttgactt tacctgatta 240
 caactcaggc ctaatatattc atgattaataa at 272

<210> 36054
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36054

agagggaaat agtcgactcg tanacgatgt caacnanacn ggaattnagc aangcctaag 60
 cggcaacggt tgtgtttttt tgcaacaaag gagcttgggg gtttcccccc aacaagggga 120
 taaaaactta cttgagaagt caatatcgat ctcaaccgca gggaaaaggg gaggaacctc 180
 catttgaaaa tgagttcaaa atgggcatgc aagacggggg tctaccatcc tttgccccca 240
 aaacacagcg tagttcttaa aaaacacttg cagacaaaaa cccgcttggg cacgggaagc 300
 ccttatacct ctaaacatat aggctgtgga taatcctgtt atggaaactc aacagcgg 358

<210> 36055
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 36055

tatgtcgtgt gggtcaggag accttgtgga cgtcagggtg tgtgctattt cccaaaacca 60
 atcttgacca atcccgaccc aaccaggca tagtcgggtca gtgagaacct gtgatgtacc 120
 taaacatgcg agtccttggc agtcaacaga ttaaaggaac atagaccaca aagcattgat 180
 gcttgtgtgt gggctggcca actgtgaatc ttgtgtgata tatgggttat ggcctctggt 240
 aatcgattac caagggtggg ttatcgatta caatgcttaa caatgaagac aagaggctta 300
 aatggtctct gggtat 316

<210> 36056
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 36056

cggaggcaaa ananaagggtt gagaccttga aaatctagtc annacggnac cnatacaana 60
ataagcgaag tcaggggcag ccatcgcgcc taagagtcct tctcagang tggattttga 120
gccatgttct cagtatgaag attagcagcc aaatgctcat catcagaatg ttcacaatca 180
ctatcaacag aatgcacaga atgctcataa taataaggat gcacactatg cctaactatc 240
tatgaaaggt ctatctatct cagatcaaag ggttctaaat cacctgaatt ttccttagtc 300
atccactata tgcagcanat catgtatttc tcaaacaagc accagggtaa aaaggggata 360
aaacttcaac tataactcaaa cgacattcca atgagcttga tatttgtgag aaacacccta 420
caatcatgaa aagatagcac aaatattttc aagaaaaatt ctatgtttac tatgaaactg 480
gctatgaaat ttataaaaata aaacataact 509

<210> 36057
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36057

cttgagacgc atgtgatcct ttggcatcat catatcatca gcttattcct tngnctacaa 60
tctcccgtt tgtgatgatg acaatccctg aaatcaagac aagctatata caagatgata 120
gcacgttcac acaaccctta ctccccctat cttttgccat gtatgcctaa tgataaattt 180
ctaattgata tctaaccctaa gtcccaagtt ctctcaagtt ctctccccct ttggcaacat 240
caaaaagaac taagcaacac aatctaaatc caaacagagc aaaacaataa accataataa 300
atccagacat tgtcataacc aaccaaataa aagtcaagag acataatata agtgaagat 360
tacgataact aagcaataat aagccaaata cacggccgat aaccaaagta ctaataatcc 420
ttaattacca gtaata 436

<210> 36058
<211> 198
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 36058

tagggatgga acacttactt gttggtgatg aacttaagcg cataacttaa tcaaaaaatg 60

cgaanaagga tgaccctatg gctgcaaact cgtcaatccc gtgggtatgg cttttgaaag 120

gggggaaaag aagtttttga atgcaaaaac gtccccctt tcgtcattct tataatttgg 180

tgcaggggtg gctcgccc 198

<210> 36059

<211> 423

<212> DNA

<213> Glycine max

<400> 36059

atagaaactc agctttgctg caatatttac aatagacctc ctactctca gctgtataat 60

caaccacagc atagcagtta tgacctttcc agcaacagat acagccctgg atggatgaac 120

caccctaacc tcagatggtc cagccctcag caacaacaac agcagcctgc tccttccttc 180

caaaatgctg ctggcccaag cagaccatac attcctccac caatccaaca acagcaacaa 240

ccccagatac agccaacagt tgaggccctt ccacaacctt ccctcgaaga acttgtgagg 300

caaatgacta tgcagaacat gcagtttcag caagagacca gagcctccat tcagagctta 360

accaatcaga tgggacaatt agctacccaa ttgaatcaac aatagtccca gaattctgac 420

aag 423

<210> 36060

<211> 173

<212> DNA

<213> Glycine max

<400> 36060

attgctccta gacgaggatt ctcatTTTTA aatattgtag gttaattacg ttattaccgg 60

gtccatgaac ttccgaggtc gatccttcat tgattgccct ttgtatgctg acgacataat 120

gctatggaat tttttcgat gcttttgctt tttgatgcag gatttaatca cta 173

<210> 36061

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 36061

gcttataacg cgtctgggag acaaagtcac tctttccgta tgctaggatg atattccgag 60
 tactttggat ttggtacgac catgccctcc tgatttccag ctgggaaatt ggcgagtgga 120
 ggaacgcccc ggcatttacg caacgagcat aatgtaaacc tttacgggtt taaaagctct 180
 atagttgggc ctaggcttta gagttntttt ccttctgtta atgctatgtg tcttctgggt 240
 ttgaatttat aatacaagga tctttcttca tctgttctg gtctctaccc attctcattc 300
 atttgcattg ttacttcttt ttctgaaacg gcagatccga tgacgagtcc cccgaaggta 360
 ctaatacctg ngacccgcct atcgacttcg agcgagaaat gaatcaaacg gaagatgaat 420
 gagatgagga t 431

<210> 36062
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 36062
 tagccaattc tactgcctgg ggcagagtat ttggtctttg ttctggactt cgcgatggag 60
 ctctggattc aggccataca caaagccctt gacaatctcc attgataggc aactaaatac 120
 atgcaactgg aggagctcac caagtacaac cggcagttga ggaatgaagc atccgactca 180
 aagaaggagt tagaaaggga tgcccaataa ggaaaaagaa catgcacgca agactagagg 240
 acctttctac aactattaca ctccccttaa tgatagccaa tcaaggatct tggaacaagc 300
 ccttgctact gaatttttca tgatgccaaa gcaggctaac cccccctaag agccaaccac 360
 tcaaagcatt ttgatacca tacgaattgt ggatcttcct cagaagaatg cataacacat 420
 aaatacaaga ttaatgatct a 441

<210> 36063
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36063

tataagaaca aaattgccta aatcatgctt ctaatatgca tctgatttan gaagcatcaa 60

caagaatcaa gccaggcta ttgtgcaagc aatcaatggg gcataacaca ccaaagatt 120
atgatgatgg atggctcana ttctcacaaa ggtaaactta tcactttcaa attgagcttt 180
caaaactatc atgacatgta gaggaacac aaggatttca aatcataana tgtcaagaga 240
cttttatttt cagaacaatt acccattact tgaacatatn ctataattca aagaaaaaca 300
tgcaaantta acacaacata actaacaaaa ttaaactaga acccaacaaa actaacaaaa 360
ttaaactaat ttaacacaac tatcanaacc ataaccaag aacacttccc ccccccccc 420
cataacttaac aacaca 436

<210> 36064
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36064

agcttataag aacaaaattg ccttaatcat ttccaaatat gcatgtgtat tangactcat 60
caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaac acaccaaatg 120
attataatga tggatggctc anattctcac aaaggtaaaa tcatcacttt caaattgagc 180
tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
aactttttatt ttcaaaacaa ttaccatttt cttgaacata tcctataatt caaagaaaaa 300
catgcaaagt cgtacgtgca cacaaaattg acccanaata ttaaactgaa natccgaaga 360
aactaacaac attaacaaat taacacaact aacaaattaa caaaaccaac aaaactagca 420
aaaccaaga acactccnc ccccccccc cataact 457

<210> 36065
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36065

ntnggttacg tgtcaacttt ntatatgtac gctnttattn tttataaaa atattaagan 60
atnaaattaa atgtttgcat tttcaagata cgtaataccg aggcgtcact ttgatcgatg 120
cattttgaag ggtttgcttc accaactgaa gggtttcagt gatacacttc tattctcatc 180

ctctccgtat tccactttga cacaaaaatt atgcatgcat ttggctgaag tttttttgct 240
 gggtttgaca gttttttgct tagtttggct ganaaatgat ttatgggtta ttttatccaa 300
 tcccattttg aattcaaagtg tgtaactggt tgagttcaaa tgtgtgactg tttgagttca 360
 aaagttgatt tgaataaatg cgccgctaca ggtattgttg aacatccaaa tccaatttga 420
 attcaaatgt gtgactgttn gagtgaaggt cttg 454

<210> 36066
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36066

agaacgagtg gacacacgac ctcanacaca nacnaggncn accacgaaag ggagagaact 60
 aactctttta aagacaaagg gacgggggga ggagaccac accaggccga aaagacgaaa 120
 gggagaagaa cacagacgag agaaaagaga caaaaacgac cacaaaacac acgagggaac 180
 acagccaagc ggcgaaaaac aagccacccg aaaacacacg aacaacaagc aagaaaggga 240
 acacaagcgg acacagagaa cccgaaagcg ccacagaaca aaccgaggca gcggacacga 300
 cgaaaacaac ccccccaacc acacgcagcc cgc 333

<210> 36067
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36067

aactcagctt gctagcggtg tgcgagacgg agaccncatg ctagctatat cgccttttac 60
 caaaagagta ggtctagccg cggcccacga gcatatgatt gcggacgaat atgcccgaagt 120
 atacgcggaa aaagaggcta gaggaagggt gatcgactct ntacaccaag aggccaccat 180
 gtggatggat cggtttgctc ttaccttgaa cgggagtcaa gaacttcctt gattgttagc 240
 caaggccaaa gcgatggcag acacctactc cgccccgaa gagattcacg ggcttctcgg 300
 ctattgtcaa catatgatag acttaatggc ccacataatt agaaatcggt aggaaacttg 360
 tatggtctct cagaccttga ctgatatga cttccttttt gaaataaaat gaggttggccc 420

atgttctact ccaaaaaaac

440

<210> 36068
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36068

ggggagtnnn nannagaact gaggcttgaa ngctnngcan nacgagacac nanacangaa 60
tggatcggnn cgctgcaacg agagagggca nacaagacat cgatatctct gtcttgnnna 120
gnnaaaagga gnaaagaggg gagaggaatg angacnaatc tacacagccg gctagggaaa 180
gacaatgact gacggatata agttcaagca atagaattga ctgctactcc tgtttctcaa 240
tataaaagat agagagcttc actccttgac gatgtgatga ctaatcactc tctaacttca 300
gaaggaaagt agaagtggcc cctagatatt atgaaaagaa aacacaagca agggatcaat 360
taacaactaa gccaaacagt acaggatggc tacatacgcc gcccaaataca tttttagctc 420
tgaaacagaa tcatggcatg ttntgaacat tatgaactac acatanaaga aacagcacia 480
atcggttgct gccatggacc gggaaaaaag 510

<210> 36069
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36069

tgtgnataaag nnggagaatg cacaaaagaa tattgtactn ctctctaagn gagaaaccct 60
aagtgcagat atatatagca acctattatc tgcattctaa accataaaat tttaatgagc 120
attgcattat caagagtcaa atgctgaatt tcaagggcaa actaggtgaa tacctgacct 180
ccacactata aaccttgcat taattctgac taacagataa tctaaatgac cacaaatatg 240
gcattgtaag gacaaagtat agtcacacca ataacagacc atcgatcttt caccaaaatc 300
tatgtgttca agcattctag atatccacca gtaaagttaa aaatgaacaa ctatgagttt 360
gacgtgaaac tgattcgcca ttggaggttt atttca 396

<210> 36070

<211> 447
 <212> DNA
 <213> Glycine max

<400> 36070

tctacttatg tttgtgagct tcatgtaatt acttctgcaa ttctcatgtg gcaccactac 60
 tttgtgggtc atcctttcat catcctgact gatcaccaaa gcttgaagga cttaatgacc 120
 caagtcattc aaacaccgga acaacaagtc tatctttcaa agctactcgg gtatgattat 180
 accattcaat ataaatcagg gtcttccaat atgggtgcaa atgctttatt aaggataccg 240
 gcaacaccga ccttgtaact attactctcc atccccaatt ctctttttat ggaacaattt 300
 cgtcaagcat gtcaggcgaa ttctcatat caggaacttt tccaccagat acatctgcac 360
 cccgaagctc accccagctt cactattaa taggacctcc ttttcttcaa tgataagatt 420
 tggcttcctt ccagccatga tttcact 447

<210> 36071
 <211> 279
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36071

gccgagatag gatcgaaagc cctgctggca atccttgatt cagaagtntc aggggtgctg 60
 cgaatgcctt gttggaaggt ttgaagtcac ctgaaggaat gaagaggctg tggaacataa 120
 tcaagcatgg gtgatgtgtg ggcgcgacta gggttgaata aaaacctata ggcactgagg 180
 ttcaaaaaga agctagagga aaggtttcag cgcgaaaggg caagatctac ttcaccaat 240
 agctgctaac actagggtta gaagctacaa ccaatgttt 279

<210> 36072
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36072

tactcagctt cgctcttgaa cgggcgctat cctatcctat ttctannnct tttttttgta 60
 anangnctaa gggcgctgtt ggggccttgt cctgtttttt gtccttgctc tatcaaatcc 120

ccttatctag attctcctct aaattctgag cgttttgata tatagtgggc ctcaaagtga 180
 caaccataac aaaagttatg agcatttgaa gtttacttgc cctatctatt gacatatctg 240
 ttatcctatc taatatctta tctgttatcc tatctaatat cttatttggat ttccgatcta 300
 ttatcttacc tattatccta tctaatatct tatttgatat catatctggg acccaaatta 360
 gagctatctg ctatccagat ccaatcta atattattat ccaaatac 407

<210> 36073
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36073

gattcaatct tgaacatctt gaactcattc ttgattctt aagatcatca tctntgttat 60
 catgaattgt tcttgatctt tgagctttnt gtaatcacct ttgttgtcat caaaacttct 120
 ttgaatcaat cttgattcat catgaagctt tcttctacaa ttctctcatc acaattgagg 180
 aatacgtatg agcaagggaa acacccttgt cgaccacaaa aagataaaaa aaacacacaa 240
 agacataaaa aaaaagggaa acaaattgaa gtcataattg cacacttgat taaagactgt 300
 cgtccttctg gacggacgcg tggggtgcta atacccttcc tattcgtaaa ta 352

<210> 36074
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 36074

tcttatccaa ggcactctct tgggtggtgaa gtccttctt cctcggcata ttccctagt 60
 gatggcgctt cctctcacct cttctccttt atcttccgtt gcacttccat ggtggaaaat 120
 caccattgaa ggacctcatt gaagcttaaa aatccagcct ccatagaagc ctcataagca 180
 agcttccatc atgtgctcct taaacctcta ttaacttcca ttgttgtttc ctcatTTTTT 240
 tcttgtttct ttgtctaact catttggtca caagtgtatg aaattctttt agcctattaa 300
 ttgatttgag acaaactctg catgttaatt agtccttaac atgtccatgc aaaattctta 360
 gagagtcttt gattgtgaac cttttcttga acttttaggt ttcttatga ttgtgtctat 420
 ggtgaatttg agttttgggc a 441

<210> 36075
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36075

cgggganaaa gaggtgatcc tgctgaccc tgcanacgga gaatgatatg acccgagaac 60
 ctagagcatg gcagcttgca ctctctgtct gatcaaaatc gcacagagca tatctgggtc 120
 tagtacgttg ccacacctga ggacacagac ttcttgaaca ctttgcacca agagcactct 180
 ctggtatgag cctcgatgta taaactactc acaccacaccc cgtccgaaac tgatttcacc 240
 ttgagccctg acctattatg ttgaggatcc ccgatcttaa gggaagtcc acacagacat 300
 tactgcatc atacctgacg atgtgggtcac gcggcattgt tctctcatg aacagacacc 360
 ggttctaaca ttacacagcg acgagctcga cagccttcta taaaggatgg 410

<210> 36076
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36076

aggaaagaga gatcgatctt gtacgacaat cttcanaccc nnaaanagnn nnnnggcgag 60
 nngagggggg agcgggaggt tganacctag cttctgaaac aanaaaggga cacgggaggc 120
 gcacgagaga ccaccacaca acccaccaca ccccgagggc ggggacaagc caccacagaa 180
 cgcagaaggg gcgcgcaaaa gccgcccgcg gnacagcccc atgagccacc ncccagcagg 240
 ggccgcccga accgacaaca acaccattg gagggaccgc aaccataccc gccgcgaagc 300
 acaaccgccc ggtcaccggg agcgagagac caccgcccac acagggaccg accaaacacc 360
 ggcggtctgag acagcagaca cacggcaccg gacacctaag acggcacgga ccgccacgca 420
 cgcaagacac cgcgtgcccc accagcaacc gacgaggaac gacgcgcgcg cacg 474

<210> 36077
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36077

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 ctggtatctg aggatcactt gaaattagtg aaaaaaatac gtttccgtga agaaaatcca 120
 agccgaggcg cttccgtaac gcgctctgana cggttccgtg ggtgattccg tgaagattnt 180
 ccgccatcta tcgttcgttc ttcacgttc ttcgtcgtcc tgcggtcttc aaccgataag 240
 ttcccgaat cgaacttttc aattcattct atgtaccctt ggtgggtccc acttgtttcg 300
 cgtactttta ttttcatttc atttactttc tgtatccctt tttgacgtgc tttagtcatt 360
 tatataagtc attttctcgc ctatatcaaa aataaaataa tattccaccg atcatataaa 420
 ttggtacatt 430

<210> 36078
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 36078
 ttacgtggca gggcgggctt ccttcacttt cttgtctcta acgcgatctt tgaccaccgc 60
 tcttccttcc tgcgatgctt ctcttcatat ctgcctgagt gggcttatag cctaaacat 120
 acttcccatg atttcctttg gcatttatca ggctagttat gccgccgttg tctttgccta 180
 aaccatttcc gggttcgtaa ccgttcccca acataactcg ggccatcatt actgctgcat 240
 cggacaggca agcttgccca gagaaggagt ccacggagga aatgcttacc acctcaaaag 300
 actggaaagc ggtttctaata gactcctctg cggcctccac ataaggcata gaggatgggc 360
 agctcaccaa gatgtcttct tcgcctgata cgatgaccag atgcccttcc actacgaatt 420
 tcaacttttg gtggagt 437

<210> 36079
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36079

agatactcag cttgcaccag ctgcgccagc gagcttggtg cttctttcat angcaccgcc 60

ttctggtaga acttcttgga aggcccaagt gggctctgggt gctatttgca ccccccttgt 120
 ttactaaata caccctctgc ctttnttgct gattcttttt ccgtaacgtt acggaacttt 180
 acgaatcacg taacgatact tgtttcattt ctgtaatgtc acgaaacctt acagattacg 240
 taatcatccc ttttttggct tccgaaatgt tacggaactt cacggagtgt gcaacaatgc 300
 ttgcttttga cttctgacat gtcacaactt cacggattgt gcaacaatgc tttcttttga 360
 cttccggcat gtcacggaac ttcac 385

<210> 36080
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 36080

tgctgcctag ctgcccagg cgagcaaggg tgtctctctc catattcaac agacttctgg 60
 aggaatcttc tggagggccc aagtgggcct tggtgctatt tgcaccccc tttttactaa 120
 atgcaccccc ttctatatatt ttttttgtaa ttctttttcc ataacgttac aaaactttac 180
 gaatttcgta acaataactta ttttccttcc gcaagattac gaatccttac ggattatgta 240
 tttactcttt tttagctttc aaaggagtta cggaaactca cggattgcgc aaaaacacct 300
 cttttcgatt tccgccacat tacggaattt cacggatcgc gcaagcctgc ttcctttaga 360
 tttctgagac gtctcgggac ttcatttatt gtgcaac 397

<210> 36081
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36081

gacgactnct ataatcgaga aaacggacga ctttctgagt ttatttcggc actatgagca 60
 gatgacagtg tagcagagtc cgtgagatga cgttttatag agtgatcact gactttcgaa 120
 tgaactacca ctgaatgtat cactctacag atgaggatat gttagagcaa gagcctgctt 180
 tgatctctaa agggcaccac cgattgagtt gttgaaatat actatcatgc ccacatctat 240
 tataacgccg atgtactccg agacataggg gagatgtgct aacaacggac acgaacgttg 300

agataactcc ctgatgtgga gacttctcca agaacgcgcc acttgtgaat atctggcatt 360
 ataactttta taatccatgg cggagactcc atgctgactc ctctcttga gtacgcacgc 420
 gctaggcact .cgtgtgtcac gca 443

<210> 36082
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36082

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 ctcaaacatt tctgcaccaa cgtcctccaa gaagaatttc ggcagaacgg accttccaac 120
 tctgaagctc gaagctttga tcccaaagaa gcatgccatg accattatct tcaagcccat 180
 ctcttttccc agcacacaaa caaaagggta tagaagaacc aaaactatgg ctcttataag 240
 cccccctgcc tcaaaggcca cgagcatgaa atatgggaac aaagaagagg atttcaacaa 300
 cgcgttttcg acatcaaaga tcaacgtgtg atcgttgagg tctgatcggt ggattagaga 360
 ggggaatttc anggtattgt taaactgtgt tgttgcaccc gaaaaagaat ggctaattgt 420
 tctgtgg 427

<210> 36083
 <211> 282
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36083

aaatgacatc caaatacggg aagttttaca ttttttttat tggtnctaa agagacaaga 60
 cgttcatggt cttgatatga tcatcagttc tggcagatga ctggatgaac caaatntttt 120
 taattagaaa taatagtcac caactcagca tttgctttga atgattaaga aatcatgcca 180
 catgtagtta ttatacccta agtggtgaca tcaatatcta cttttgactt accggctagg 240
 cattgcataa agccaattca cttaacctac acggattttg tt 282

<210> 36084
 <211> 419
 <212> DNA

<213> Glycine max

<400> 36084

taatgaccct caatctttca atgattatag atccatctcc cttattggtg tgtctataaa 60
 atcgtggcta aagttctggc caagaggctg gcccttgtgt tacctcatct tatagatgaa 120
 agacaaacgg attttatgaa ggggaggcac attcttcatg gtgttttgat tgccaatgag 180
 gttatagctg aggctaaggc tagaaataaa ccttgcattg tcttcaaaga ggattttgaa 240
 aaggcgtatg attcggtttc ttgtggtttt cttgactaca tgttgatgag gatgggcttt 300
 tgtgaaagat ggaggaaatg gattaatggt ttctgtcca ctgcaaccat atccatttta 360
 attaatggaa gtctgttttt ggagatgcc acaacataa tgttagaacc ttaaaatgt 419

<210> 36085

<211> 444

<212> DNA

<213> Glycine max

<400> 36085

ctcaagcttg aagcaacatg ctcgcccagg cgagctgttt gctttctcct taagattcct 60
 gatgggccc agataggccc agggctgaag aacactcccc aaattgatca gttcaccct 120
 attttgagtt ttttttggtt tatttccttc caaaacattg cgaaacctta cagatcgac 180
 gacaattggc tttaagcagc tcaatgttac cggaaaaaat ctgcatgtcg acaataatt 240
 ataccggat gaagttagg tatgacagtt gtgtaacacc ctgatata tctatatatt 300
 attagtaatt atgtttgatg ttgattata ttgtgtgctt tatttttatc cataattatt 360
 ttcaaggagg ttaatttagt taataaaggg gtgtgggtag ataaggatct agcttctcaa 420
 agaagcctct tgagaaaact tctc 444

<210> 36086

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36086

catcaaggat ctaagatctt tgttcatcta ataaaatcat gtagcttcat caaggtaagg 60
 agagtctctc caattcttaa accctaactt tngtgtctt ggaagctaac cttcattgaa 120

tgttgttttg atgttcanaa tttcatagct actgcatang ctggaactgt atcatgtgtt 180
 gtttctcttg gtaatttaag gtaaaaaatg agttatttgg gtgccaaaac ttanggttaa 240
 ccttatattt cacctaaatc atagttnctt agtaaaagtt atgaacaaaa caagtttaag 300
 gaatcacgaa aataaatcgg agttttctag taaaagctat gaacaaatca ngagttttta 360
 tggatgtatg gaccatnttt catanatatt tgac 394

<210> 36087
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36087

gatannnegg gactctccga acctttcttg caatcccnan gangatncgt ttgagttcta 60
 tgtgtcggca cacggcgtag ctgncaacaa cancccccaa cggcccngag acccccacta 120
 cttaactata tctctgaaac ccatctgctt aattcaagtg tggatctgct aacgtaaagc 180
 caatcaacct atatagcact acttgctcag ttgatcacta acagaactct aatcaagtcc 240
 tccttgaggagg gaggcaatga atgtggcacc cgcgacttaa agcg 284

<210> 36088
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36088

catgggggtac ccatcacata tgggtactagg tggctgtctg actatggtgc acaacaagtt 60
 ntccacatcc acaaatcacg cataaagcca ccatcccctg ttgcccacct ccaactgagc 120
 tcacgtactc ccacgtagcc catatcctcg tttctctcaa caccgggtcc ncatcaatcc 180
 tcccaagctt cccaacatc caggtaattc aaaatccaaa tcatcacaaa ctaacaaacc 240
 aagcaaaata gggcataggc agaaaactct gcccaaaact cataccacaaa tcacagcttt 300
 ttctcactta tagaccccag taacatttcc tccgttccaa ttcgttaacc gttggatcaa 360
 ctcgaaacatt ttactggaag tctctagtag ataagcttac attttg 406

<210> 36089
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36089

tttatagaag accttttcac actaaatata catatctttt ataattagta tccaaagatg 60
 tataatagtg attcttacat gataaggtgt gataaatacc tctagaagtg aatcttgtgg 120
 ttgacacttg acgatagtta ttagatattc tgtgataaat catatcttat actttgcaga 180
 tatacgagac tctcttcana ggaattaatt cagaatttag attcctagtg ttgttgcacg 240
 gcgaaataat atattatttc tatttctaag ttttcccaca attactctct ttattttaaa 300
 tatatataga gaa 313

<210> 36090
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 36090

catctgcaaa gttggcatag gagcattact aacttcaata ccaaattatg aaattttttt 60
 cttctgtttt ttcttttgta atatatttca ttcaaagtaa gtaccgtaag tttgtaaata 120
 ttgcatttgg ttgttctaaa cattttgtat ggccatactt ttctgggaga ttctgtgtac 180
 ttcgttacgc atgtgttttt tattgtacat agcgcgatta ttctctgtac atatggatta 240
 agccttgcca tgtttggggc atataattca ggacatcctt tctggatcca tataagaaac 300
 tata 304

<210> 36091
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36091

atgattatgg atggctcaca aacaagagtt ctatgncctc natgacgnch nancatgcgt 60
 ggtaatagtg gaatcttaac aagagagaac cacatatgga tttanattct ctagagagta 120
 tatttgtgag agattaagaa ttcatagaga attcttcttt gtagttntgt attcttttct 180

cattaataga gattcttctt tagcatacac tctctacgtc aaatacaatt tgtcacaaca 240
 agaatggtgg ttgtgccata taatacttat gcttcgtagt ggattttctt acttaaggaa 300
 catgtgaaag tgcagtcatg acattctcgt tgtgacttga atttgagaac aaagatg 357

<210> 36092
 <211> 205
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36092

agggggaccc atcccntgaa ccccnatag agtacacttt ttccccgagg gtgaagtccc 60
 tacagctagg actttctaca aaacacaggc agcggttccg cagagggagc taaaaaatgc 120
 atgtgaagaa cgaagccaca tacaaggag cagagaacct catcacacgc aaagccgacc 180
 aattaatcaa agccaaggaa ttctc 205

<210> 36093
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36093

tntcgaggaa gtnntctcag gaaagctgct cggtgttgct actctantct ataaatagaa 60
 acatgtgaaa cacttgtggt aactatgacg aatganagtc ttgtgagaca catctcagag 120
 ttcaacttct ctcccttttt ctctccttca atttcgtgcc cccctctctc tttctctacc 180
 tctatctttt cctccataga agcatcctct ccaagcttct tatccaaggc tcatcttggt 240
 ggtgaagctc cttgtctcat ggcttatacc ttaacggatg gcacctctc tcacctcttt 300
 ttctttgtct tccgctgcat ctccatggtg gaaaatcacc attaaaggac ccattgaag 360
 ctcaaagatc catcctgcat agaagcccca cacgctagct ttcatcacat actgtggat 419

<210> 36094
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 36094

ttctgttata aaggttgatg aaagaggatt gatgtggttc tacactgggtg acatatggag 60
 attccataaa gatggttgcc ttgagatcat tgatcggaag aaggacatag ttcaactcac 120
 acatggagaa tatgtgtcct tgggaacagt atcaatgtcg gcttgtggaa cgcacttcct 180
 ttaatatatta ataataatat tatttaatac aggttgaggc cgctgtttct tgcttcctt 240
 tgtagacaat atcattgtgc atgctgatcc tttcatagc tactgtgtgg cactccttgt 300
 atcttctcat tctgcttcgg agcattgtgc t 331

<210> 36095
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36095

ggcaatagca cccacactga cgttcttaag tcctccttt cttcgcgaca naacaacagg 60
 naccactctg tggatcatcag tataagcagg aagtttcacc cttcaacact tcctcatctc 120
 aagcttgtag aattatgggg taccatcac atgtggtact aggtggcggg cgggcgatgg 180
 tctcaacaag tttccacat acactatgcg cgcataaacc caccatgcc tggtgcccac 240
 cttcaactga gctcacgtac tcgcacgtag cccatctcct ctttactctc aacaccgggt 300
 gccattaat tctcccaagc ttctcaaca tccaagtcaa acaacattct cacagtccaa 360
 gc 362

<210> 36096
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36096

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 taatggatag ggtcttgaac ttatccttga ccacttgtgc tctttcaagt ttgccttca 120
 aggcttgac actatttgct ctctcgggg gtttcaacct ctttcaaact tgaaatcttt 180
 agcttcggga ggcaaagtat ctctagcatt ctagccatca gccacttgtg atagccgtcg 240
 acgatcccat tgacgatctc ccta 264

<210> 36097
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 36097

acatgtggta cgatcgtgta attaatgaaa tcgctacaaa atgtaagtgt tgctatcaag 60
 actttgcttc ataatgagcc gaacagagct aagctgcacc tggtagagaa ctttctgagt 120
 aaggtttgaa tctaccttat aatagtttag ttcattctatt tggcagttgc acattaataa 180
 ttaatggatt atataaagcc cataaagttg cacattgata attaacggat tatataaagc 240
 ccataacttc tctgatagtt acctaaagtac gtctctcttg tcaaaagtct gctctacctc 300
 tagaaattat cttttactat catgggtattg atatggccac aaactacgac tatcatatct 360
 aaa 363

<210> 36098
 <211> 518
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36098

cggagtgaggga annagaggggt gangcttgac tgcatacttc gtcannacgc gnaananang 60
 atactnaagc cgagctntca ctgcgacana cccagcgctc ttacatactt ancttctatt 120
 aaaaaanaaa agagagcgtg acatggggat atgagcatnn cattgggtcct tgtttgcttc 180
 atttcgcact ttggctttat gcctcgtgtg atggcagaaa agaataacat gggacaaaat 240
 tgttgatgtg gtgaccgggt gagaaagtaa cccgtggaat tgctgctttg gacaattttg 300
 tctggttcgt gttaaacaag gaaaccatga atgaatgaat gaaattacac ttacatttgc 360
 tagactttgt ctttggtgta cctttattac gtgtcaccac cccaacccat cacattctca 420
 caccaccatc tctccttggc gcttttttat atattacggt ggtccaaatt caatatcatt 480
 gcccatatcat gcaaaccaaa tattaataag ttatattn 518

<210> 36099
 <211> 254
 <212> DNA

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<223>      unsure at all n locations
<400>      36099
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tgcaagtgcg	cttcaaaagc	gataggaaaa	agatatccc	gatcaaagat	cggaagaaag	60
aaaagaaaat	ccccatcca	agattggaag	aaaacaaaag	aatatacag	aaaggtcttt	120
ggaccagaca	atatctgaat	aacatgcaga	attgtcaca	acaagaaaag	gaaagaaagg	180
aaactanggc	tgcgcacaca	tgaagtggtc	ccctttttta	ttaccaacca	aaatcctttg	240
tgtcggcaac	tctt					254

<210>	36100
<211>	387
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      36100
```

agctacctag	tctatagaga	agccgcggac	tcttgttgta	tctnngaaga	acgaaagtct	60
tatgagatac	acttcatagt	tccacttctt	ttctttcttt	attccttcaa	tttcgtgctc	120
ccgccttctc	tctatctttt	cctccattaa	agcatcctct	tcaagcttct	tatccaaggg	180
aattcttggg	ggggaagctc	cttcttctct	ggcttattgc	ctagtggatg	gtgcctcccc	240
tatcctcttc	tactttgcct	tccgctgcat	ctccatgggtg	aaaaatcacc	attgaaggac	300
ctcattgaag	ctcaaagatc	cagcctccgt	agaagctcca	caagcaagct	ctcatcaagt	360
ggtaatcaca	gcacaagagc	ttcaagg				387

<210>	36101
<211>	406
<212>	DNA
<213>	Glycine max

```
<223>      unsure at all n locations
<400>      36101
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tgagggaaaa	gatctgatac	tgttgaccgc	anttngacaa	atcnncaagn	nncngnngnc	60
aaccgggaaa	agaatgttct	ttctcttttc	cnnncctng	gcaaaagtat	gcgccaggac	120
taccccccta	attcttttgg	gtcactttt	cctttcccaa	aaacaaggct	acccgctgaa	180
ttctttgggg	ctccctctcc	ctggcaaaga	ttcaaacgac	acagccgaga	attctttgat	240

ctttctttcc ctatcaaaga ttcaaggact atcaccgaga atcttttgat ccttcacaag 300
 ttcaaggaca ctgccgaaac ttgcttacca tggaggacat cttgggtcag agagggcatt 360
 ctgggtgtgg atgaacaaaa ggacactctg gacttgtgta agatag 406

<210> 36102
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36102

aaaacggttg cgctgagctg acctgaaatc aacttgcnegc gattggcttc ctgccaatga 60
 tcaaggggtc ttnataatta tacnganaac acgcgtgata attcaaaaaa aaattggcag 120
 tgagaggtga aatgaggaaa accatccgtg atgcattcta tcttcaattt ccaccaccca 180
 catgctttct cagccataca acttctctta ccacaccatt atcacaaggc ctcctaataca 240
 cccaagctgt taccgccttt catgcgacac acctttgcc acaaaccac ccgaaatgat 300
 ttgcgtgaaa aaacctgtaa atacctgcta gttcttacct attttcgaga tcatcaacca 360
 tgggcttttt ggaacccggc ttcattg 386

<210> 36103
 <211> 504
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36103

agaaaggtnn naagaggctg atgcttgata gcttgnatn chancnttg ccnactgggc 60
 atctatacgc tnnagagac ttggatgctc ctaagcaatt atctctccac agagaaggag 120
 ctattagcga tagtttttgc tcttgagaca tttcgttcat atttacttgg tacttgtgtt 180
 attgtttata ttgaccatgc agctctgaag tacctgttga agaaggctga atcaaagcct 240
 atattgatca gatggatgct gtggctccaa gagtttgatt tggatatctg tgatcgaagt 300
 ggtgcacata acctcgtggc tgaccacctg agtaggattg agcatgcgtt tgaggactca 360
 cccattcggg atgttttttt gaatgaccat ttgtacattt tgtatattat ttctaattcc 420
 ttccccactc cttggtttgc taatattgtg aattacttgg gtggttctat tttgccttcc 480

ttaatatcta aagctcaaat gatt

504

<210> 36104
<211> 508
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36104

ggggnaaagg gtggatgatc ttgtacacga canacaaaaa aaagccgggg gacaaaccna 60
ggaatagaga gaggggagag gctccngtng ttacatnnga aagagaaaga ggggggagag 120
gggcgacaaa gatccaccac tcaacacccg aaagaccccc ggaagaccgc acacagccgg 180
ccacagggga caacacgagc agagcatgac aacaacaagc tctccaagac caaggggaaa 240
cactgcgcgt ggggcagaag cacagcaaga cacggcgtat gacctgaggg agggcgccaa 300
acacagacag agagacagag aaacacgcgg cacctccaag gagacaaaac aacaccagag 360
gacgctcata gcacggaaaa gacccctgca acagtatgag ccacaagcga cagccaccac 420
aaggaggtgc aacgaccaca acaacaaaaa gaaggggacc cctagacaac gcagaataac 480
attacttacc ccaaagatca gacgaagg 508

<210> 36105
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36105

ntatgatgtt caacagagac tatgttgaca taattgaaga ttgttcttgt tgctcctaatt 60
gcctgatcgt tatgaattgt aatctcacat tagagtcttc tatctttgta gtataattat 120
gactcatctt tttgacgcac aaattaaatn taaatatgta tctgacatag ttgccattaa 180
tcgtatttta agtaagttat ctatctttgt acgtttcttt aatgtagtgg cacgatgacc 240
aagttatcta tctttaatta gtgttactta gtttataatt aattattact taacgcacat 300
aggccaaatc taattctata tattaatttt aggtcaagat caatcttatt ttaagtaact 360
taactatctt tctatgtgtc taatgtgga 389

<210> 36106
 <211> 511
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36106

ngggaggcgg antagaggct gatgcttggt anacttgcan nattgagnan aatagcnnag 60
 cggagcngga ctaaagccgc gacacgaagc agaaaggact tcgttnattc ttcaaagcag 120
 cacacncacg ggagaatttg tggagccctg agtaaagcag tcttaaactg agccaaagat 180
 tgatctctaa gcaccagggtg tgcttgtaga gagactgcgt tatcattaat aggtgcacac 240
 cgaagcaatt atggcgggta ccttccattg acagctctaa agggagacat accagtgcta 300
 ctatggcaag caaagctata ccaataactca tcccagtgtc atagctcgac acattccttg 360
 gggtttgcca aagcgaaccc tctgagactc atttccagcg tatgttgagt gcctccaatt 420
 gaccatctgc gtgtgggtgg ccagctgttg actcgggcac agagtaccac ctatgttcgc 480
 attagttgcy aaacgcaccg gaaacacctc g 511

<210> 36107
 <211> 236
 <212> DNA
 <213> Glycine max

<400> 36107

aggtgacgtg cgtgcacata atgccgcaaa caggagaagt gtggtttcca agccggaaga 60
 tgaacacggg ccggaagcca aaacgcaaag gcaagacggc cagacaccgc gagcactacg 120
 caaccgaccc gctaaggcag agggcctggg cccgccaagc acatacgccc agaagcaccg 180
 gaccgggacc cggaacccca gtccattgca gggcagaggg gggagaagca ggccac 236

<210> 36108
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36108

aggaagggcg ggtgcggcct ggacccttng atcgattgca tngtcacanc cnaagcnnng 60
 cctanactga tgaaggatga ttctgcgcac tctgcagcgc ttactgang tcgtcttaag 120

<213> Glycine max
 <223> unsure at all n locations
 <400> 36111

atgttctatg cttcttgagg tgtcagncca tgatttatct ccttgga aaa gacatcttta 60
 aattcctgca ataagggttg aactagaga acataatagt aactgataga atatcactct 120
 ctctcttttg tgtatcactc ttttctcgg gtgtatcact cttctttttc atattccttt 180
 gtggagcctc actattttct ttcgcttggt ctctctnttc tctcattctg atttggtcat 240
 cacacacttc tctaggggat agagggttaa gataaacgag gaagatttga ctattcgtct 300
 gtagggctct tctttgttac gattcaacaa acgttgc 337

<210> 36112
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36112

aagaacgann aaggagttaa gtctgtantc ttgcannacc anaaaaagcc nnaagnccag 60
 agaagccact gagagnagc aaccgcattt acncctttta tgacnanggc ancannncng 120
 gcgctggacn gcngagaaga ngaaaccnc nnnncnaana aaanncnagc cccaacaaga 180
 gacangncnc ccaaggcccc accacnggcc acaacnatca aacgncnccc caaaaaaccg 240
 agnccttcaa aaaaaaangg aagaagaacc gccccgaaac cgagggcgag ggcaaccggc 300
 gcaaagnnnn naaaacgccc caagactcan acggcncctc cactgagtng ctaatacctg 360
 agatatccat cctgatggct gtggtcctgn aagcaggcaa aaatttntct aagaatactc 420
 tctttaggtc atcccacctc gtgatggacc ttgaacaag gatataccac cagttccttg 480
 gcacatcctc taag 494

<210> 36113
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36113

ggaggatgat ccctgaatga ctngaacnac cnaaacnaa gcnn gatagg agaaaggnc 60

ctanaggcac gcgcangcaa cgacttccca tgtttactta tggcaagcag naggggaanng 120
aagagtggga gaaaggcgac acaaacagga gccagaacg ggcacaaaa tcaattggca 180
aaaacaagca ggcaccccaa cctaaagccg acttacatac ctctaaataa gatctgctcg 240
acatgtccac cacacactag cacctgcatt tgccacacat gttaatgggtg gaaagggtgag 300
gtgagtcac acaaaacctc acgtgctcta taaaaggcaa ggggacaaga acaatgaacc 360
tgctgtcata agcaagtga acagacaaga cacatcacc acagtgatgg tcaactctct 420
cggagataag gggaagatag aagcctacgc ccgccccact cagaaaagcc tccccaccc 480
n 481

<210> 36114
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36114

aaaaaaaaag agatgagctg antctgacac aaaactagcn ngacgcgcac atngaacgtc 60
agccggaact ttatacttgc taccaccata gccggagaac ttgtcataac atgacacttc 120
actggatttc aacctcgat ttatttggtt gaacaattac aacacaggca ggtgacaccc 180
gagccgcaca tgcttaacta acacatcgcc aatgtgtttg caccacaagc tggggatgcy 240
agggtcgccc cacaatcatt tgatcagtgg ccataagac aggtgcgcca actttacata 300
taatcaattt ctgaaatct gagacgcact gaca 334

<210> 36115
<211> 515
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36115

ggaggggggg gggaacgtac ctcgttagct gaactgcaaa cnaagcagcc taacggagat 60
gangantngg cgcgcgangc aggggggttcc aanagtgtg ctcaaagaaa aggcaggang 120
gggcganaca ggagcgggan acagaagaag acacgcacnc cccacgacca ccngagaaaa 180
ggaaacaacg aaggggccca ggagagaaga gcacaganca ccngagacaa gnacgccaag 240

caccncaggg ggggncggca aaaaccanca naagaaacca caccgcgaca caacaggaag 300
 ccgacgccgc caacgcgcca gccaaaagag gaanaccgac gagcaaggga gacaccccgg 360
 cngaccacac agaagggaaa caaaaccac acggcccaga gaaagaggac acaagcggag 420
 cacaagcgcc cgggaaaaaa cagcgcccna ggaagacgcn gggggagaaa cacaccgcca 480
 gnaaacacca ccggaaaacc aagagaagga gggcg 515

<210> 36116
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36116

nagaagcgaa catgatacga aacaaaaag ncnagccag agagcaagac gggaaaagag 60
 gtcaacctca ganaggaaca aagggacggg agccaaaacc cacacacca caaaggnaag 120
 caagagacaa cacaccaag gccccacaaa cacaacagga ggggaaagaa cagacaaggg 180
 aaaagagaga gacaggccga aggaagcaac aaaaccgagg gagacaacaa caaaccaaga 240
 gcgaaggaag agagaaaaac aagacacaac ggagcgcagg gagaaccaa aacacccaaa 300
 aaccgcaggg aaaaaaggag ggccaaggca ggaaaccccg ccaacaaccc caa 353

<210> 36117
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36117

taggcacaag tgagaggaga gggtagtgt gtgttataga gttatatttt gcatganaga 60
 caagtttcgt aaggcacgtg tctattatga tggtnntcan aagcccgtct ttgtagtcac 120
 tctccaatga tgatnntttg aataactgtc cttaaactca caattccatg acagttattt 180
 gaaaatcgtc ttcgttgta attcatctaa ttacaagatt gtctccatgt tatctataat 240
 gatgatgtct gataaccatc gttgatggcg tgctgtaaaa aatattntnt ggagtagtct 300
 ttactttnt ccaatctcca ttntttctta taatttttac tatttcaatc cctacttctt 360
 attattatcg aaattactac canagttatt atcaaaattt ccattagaat tggtattaaa 420

ctactattaa aattatcatt a

441

<210> 36118
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36118

nctcatccaa ggctcatctt ggtggagaag ctctttcttc ctggtntnan ccnnnaagga 60
tggcgcctcc gctcacctct tttcctttat cttccgctgc atctccatgg tggaaaatca 120
ccattaaagg accccattga agtcaaaga tccagcctcc atagaagccc cacaagcaag 180
cttccatcaa gtggaatca gagcacaaga gcttcaagta ggtgctcctt atacctccat 240
taattntttg ctttaccttc tcttccattg ctgtttcttc atttctctcc atgtatctcc 300
tcacatgtct tgtgataaat gtttttaaca tgattcttta gagtttccac cgattaaact 360
tgctatagaa gctagatttg atnttctatg gttcacattt cttgttcttg gtc 413

<210> 36119
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36119

aganaagaaa aagagcgcga atctgtagta cttgtagaca cnacntatan anacacagcc 60
caccncnggn gnagcgaacg agagaagtta ttatnacctc aatgnncccn gnagnaagca 120
acaangagcc atcagcgaac gggaccatga ccacggagga agccnnanca agacaacaaa 180
cacaangang gcatgtaaaa agacacagca gacaaggggg achacangac naaagaagaa 240
agaccaacca gagacaccaa cacacncaac gctctctatt aaaaaaacia acaccggcca 300
taaaaaaata atggcgagca atcagcgcg gatgtaggat gcaaacttgt ggccaatgag 360
ggagcagcga atcaggcatc acttaccat tgaggggcac gtacacagga tgggaatact 420
cccctttggc tcacacattt agttattcga gaaaaaagga ttgcatgatg cataaggctg 480
gaacggccaa accatacgca caaccg 506

<210> 36120
 <211> 434
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36120

cttataattn tcatatgata ataaacttct acaaaaatgt acctagatcc ataatatcc 60
 acaatgcaaa gaatttaaga ataaaacttc ctaaattctt taataaagat tctcacacac 120
 acattatata cacatacaca tagagtatga ttattatgtg aatgacaatc ttatatgaga 180
 atgagaatag ttaatttcaa tcattggatt gaaatgaaag atttagatta aaaatatattt 240
 aaattcaaat tanaacctca tgtaatcata aaatctctaa gaaattaatc aaatatctaa 300
 tttatcacgt ccaaatatat cttanaccta tcatcaccat tatgatcatc agtccaccac 360
 catcgccatg accgttgtat gtcaccacca acatgattgc gacagtggca gcaacaacga 420
 ttatagtcat tgtg 434

<210> 36121
 <211> 506
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36121

gggggggagg aaggagatga ggcttcgant ctgttgatca gacanatcct agaaangtag 60
 cnngagacaa taggcgggga gaggttcctg ccttcttttt gaacgngcac aggaggattt 120
 gcagggggaa ccaagcatat catccccctc actaatatta tgaagctttg tgaatcatat 180
 gttacattaa catgcattta aattgataaa tatgatgaag aataatggaa cgaatgcaa 240
 acgcatataa gacaaataat attgctctgg tgataagaac acgtgaaatc gatgattttt 300
 agcaatttct aacatgttgt gcgtagaaaa catatgcttg catacgatag caacccttat 360
 gaatatacag ggcatacaat ggacggtaac acaaaactct tgcatagtcg atgagtcgcc 420
 agaacactat ggtaacatac ttgtggcatt aacgctttac agatgcaaag gactctcgca 480
 cccgaaaacg aaaggtcgca aaaatg 506

<210> 36122
 <211> 472

0042106:101500

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36122

 cgantnnggt ggtgagctgt gctcgattat cnactagctc cgatcgactg agactgatac 60
 cgctcctat gcanatattc atctgaaggc tctgaccga tcaactgcaga tatgttcaaa 120
 aaagaggggg aaaccttaaa aaataattccc accgatggag gaattggccg gcccaagtag 180
 ctctccctt ggttgagaaa gagatgatca cgatgatggt agacactctg ccagtgttct 240
 actatgagaa gctagtgggt tacatgccgt ccagctttgc ggatctgggt ttngccgcgg 300
 atagaactct cagccttatt gcccctccga agctttatgt catattcgcc aataattgac 360
 attcgccctt caccctgcc aatcccggtta acataatgtc catttaattc atctttactc 420
 tcatctatcc ctaatccgcc tcccatcaca tgtttcctc tctttaccct cc 472

<210> 36123
 <211> 511
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36123

 cggaanaag cggggaaagc gctgaaccat gtatatctnn gcanatcga gtacactagc 60
 cngccagacc gtgatctggt ttgaggatcc aatagatact ggtatatatg tggtatannc 120
 atactanaca cttcatctc tctgactctc acattggtaa ataaagcctc tagtaatcta 180
 cccgatgctt cttcacatgg atgaaaatct aaaagttccc acagaacatc tattacctcc 240
 gctttcatca tctgctcagc acttgagcat cgcttctgtc atgaactata aaagcattag 300
 ggctatgcta atngtactct caagtgttga gtgcaaaaag ttcacaagaa ccactacagg 360
 aactntaaaa tagttatcgg cattgggaat gtaatacatt agagagaact aaagcagctg 420
 attccagagc gcatgtgggt gctgaggctc atcttgataa taacctttgc agctcaaaaa 480
 tacctcccca tcaccactgg cttttggcac n 511

<210> 36124
 <211> 519
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 36124

gggngnnnnn ggtaggcattg acatcgtaga cngacacttc gatacatatc ctanaagtgt 60
tcatataaag atctttcaac gttgatgttc tttccagagt gagtacagga acattatttt 120
gatttcaacc ccatatagta aataataatg gccttctggc ccttgggtcaa gtttcaatat 180
ttaaattgat ttttaattggt tcccttaaag aacttccttt cctctgggttt cattgggatt 240
ggttcaagta taagaatttt cttggaacac cctaataatt accaactaaa taacaattct 300
aattgatagg gcacactttg aaagttgatg aatttgaacc aanatacaaa agcaggcccc 360
tatgaggaaa gaggggtgct caaatattac taccaatact aatgaaaaaa catgtcagac 420
aatggatggg acagaataat agtaccaatg attgcanata gaagagatga caggccagat 480
cagacagtgc aagcatgcca tgnacagaga ggaacacan 519

<210> 36125
<211> 516
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36125

ggggaaaaaa annnaaggct gaacatcgat acttcgaact tcnaaactca agctgatgtg 60
cgctaagcct tacatctcag gctaagngca tnttgataa naatttttgn gnngcanaaa 120
gcgctaagcg cagccttgcg gcgctaacc caaaaccctc tcttgaattt gaaaattcaa 180
agtgggccgt acgccgaggg taggctaacc cattggcctt aaacctcaaa tgtcataatg 240
gcaccgctta accgcgcccc aacggaaatg ctaaaaataa aatagaactg ccatangtag 300
ttacctttac accaaaagct ttttctgtg cttgtgccct tgtgcttttg tgctttcttc 360
tgcttgcat tcaagtcatt cgtgcatcat gctngctntc atcttacatn cttcacttca 420
atccaagtaa gtngatgttt attttcattn gcttttcatg cttttgacct tangatagat 480
gatttcctcc tttgtagctn gcagtgttg ttaagt 516

<210> 36126
<211> 298
<212> DNA
<213> Glycine max

<400> 36126

tacagatacg ctggaagcac tatgaaacac atgatgatgg atatgtgtat gacagaatga 60

gagcactatt ggggaataata tccttattag tataacattc tgcacactaa ctgtctagga 120

gttgaagcat tataactata ttaagacatg gaacaataaa tgtagtgact aaccactgaa 180

aatgcttaca tgcctaagtg cttgaacgta tgtgtctaga ctttctcagc actaaggtaa 240

tcttgagtaa agattggaga gaaaaagttc atgaaaagtc aacacatttt gatcgttt 298

<210> 36127

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36127

nntaaaactt gcattctacc ctctgatccc ttatttactt attgctttct ctaattatgg 60

ttacagaagg accggctact ttcaaccctt cttgaacaat aaggttttaa atgtgagcac 120

aacattggat atgaaaaaat tcaccaccac ttactaaacc attagcatgc aaaaaagtc 180

tttccttcaa atagtcttgc attttatcat tggaagaagc attatctaga gttaatgaaa 240

atactttctg ctcaatcccc cattcttcca aaaaaccata tataacttta gccttctcac 300

gccccgagtg tggaggagga aaatgagaaa aattaagcat ttactattc aacttccaat 360

ttgcatcaac ataatgtgca gttaatgaaa tataaccctc agaagtacaa gatgtccaca 420

catc 424

<210> 36128

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36128

cagtagatga agatgaatct gtggctcacc tcatgtactc tctctaagga caatagcatc 60

atttcttgca ctgaattggt gggagttoga aaccatcttt tcaatcaaatt tcctagccta 120

agcaggagtc atatcaccaa gagctccacc actggcagca tcaatcacac tcctctccat 180

gttgctaagt ccctcataga aatattgaag aaagagttgc tcaaaaatct ggtggtgagg 240

acaacttgca cacaatntct tgaatctttc tcagtactca tacaagctct ctccactaag 300
 tttctgatg cctgaaatgt cttttctgat ggcattggg 339

<210> 36129
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36129

tctacaacaa gctagaaata taaaacgtta tcttttctca tctttaacac tccccctca 60
 agctggagca tataaattgt gtgctccaag tttggaacat ataaagtgga tctgaggacc 120
 tctcaaggac ttggtcanga tgtctgcaag ctggttggtg gacttaataa attcagtact 180
 gatttctttg gactgcagct tttccagaac aaaatggcaa tcaatctcta taggtttagt 240
 tctctcatga aatacagaat tagaagcgat gtgaagagct gcctgattat cacaatacaa 300
 cttcatctgc tgaatatcac aaaattttta ttcttgaagt tgtttaatcc acaccaattc 360
 acaagtaaca agagccatag ctctatattc tgcttctaca cttgatcagg caacaacaca 420
 c 421

<210> 36130
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 36130

aaaaagagtg ctatctctac gacctatctc acgactaata ttaatcactc ctcttttaag 60
 actacaaata tcgaatatgg atcataaggc tttttgttta cgactttgga ctaattaaga 120
 actaaagtat tccaaacctt tagggtagga caatccaaaa aatggacgta aattaactat 180
 tacttctagg attccttttc ttctgagtat tatttttata atcttagaaa ataattaata 240
 gatttattat caggacaaat tatag 265

<210> 36131
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 36131

ntagttgaac agaataatcc anaaatgtct aagaattgtg tgttgaanaa gcataacaag 60
acttttctgtg attggttttaa agataacaatc tttgcagatg agaatgcttc agaaacatta 120
agaaaactag ccgatgggcc tgtaagaaat gttataactt ggcaaggata cgacataaac 180
aagtattcat tttacacaaa agcacaagat gacaaaagta caatgcagaa cagcggggtc 240
accctaaggg ctgaatctca acactttgca agtgtcaatg acgccaatcc ctgtgttgct 300
tccgtccctt actttgggtt cattgatgaa atttaggagc ttaactatgt gaaatttacg 360
gtatgtgttt tcaaagttaa atgggttgac aacaacaccg gtgtgcgac cgatgatat 419

<210> 36132
<211> 441
<212> DNA
<213> Glycine max

<400> 36132

gactaagtgc tcaccaacac tagataagaa tccctcattt tgtttcatgt aaacctcttc 60
ttctagatca ccattcagga acgccgtttt cacatccatt tgatgcagct caagatcaaaa 120
atgagctact aatgccaaaa ttactcgaag agagtctttc ttagatacag gggaaaaggt 180
ctctctgtaa tcgattcctt ctctgtgagt gaatccttta gcaacaagtc ttgccttatg 240
tctctcaatg ttgccttctg agtctttctt tgttttgaag acccatctac atccgatggc 300
ttttacacca acaggcaact caactagatc ccaaacttgg ttagatgcca tagaatccat 360
ctcatccctc atagcattat accacacatt tgattcctta gaactcatgg cttatgaaaa 420
cgtctcagta tcattttccg g 441

<210> 36133
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36133

ttcttatcca aggctcatct tgggtggtgaa gcttcttctt ccatggctta tttccctagt 60
ggatggtgcc tcttctcacc tcttctcctt tgtcttccgc tgcattctca tgggtggaaaa 120

tcaccaataa aggacctcat tgaagctcan agatccagcc tccatagaag cccacaagc 180
aagcttccat caagtggtaa tcagagcaca agagcttcaa gtaggtgctc cttaaaccctc 240
cattaatttt ttttgcttta ccttctcttc cattgttggt tcttcatttt tttctccacg 300
tatctcctca tatgtcttgt gctaaattnt gttaacatga ttctttagag tttccaccga 360
ttaaacttgc tatagaagtt acatttgatt ntctatg 397

<210> 36134
<211> 499
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36134

agggtgtgnn nncttgata gccgcnact aggataaacc acggagcaac aagggtctcc 60
cgaagaccga ctatcttttt acacncaaag cgccagagag ggcgtaaca acataaaact 120
tattcctcca aagggaccga ataacatgtc ataagcacta atcggccttc acatttgaga 180
attcagagag catatattct attgcttact aagatactca catctcttac ttacaatttg 240
agacctgaac agttccattt caccgtcagt aacatatgct gagcctataa tatagcttga 300
tgtgagattt ctttggacat ccacaacagc gtgttactag attacactat cgcacaactg 360
attactagat tgtgtcccc tcagatgtgg cttcatgcta cagggcaaga accaagatat 420
gaaaatggga cactagaact ttttcctcac aagggtgaatg gtctttatct tcgtttacaa 480
cgctgtctgt atgatcccg 499

<210> 36135
<211> 544
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36135

ccccccgcc agccaataaa aaagaaaaaa aaggaaaaga anaccagaa acagggcggn 60
nnatgagcct cgaagaccac cnanacanna acaccgggg gaggaagaaa acgcccagg 120
agagagcagg angcttattg tgaccaggcg accacaaacg tggagccgga agagactagt 180
gggacacccc aaggcagaga aactgacaaa cgaaaagaaa acaagcaacg aagagaagac 240

gagactcaaa gtgaaaccat gaaacctcaa gcaaactag aaggagcaca accaccaaga 300
agacggacac acaatcaaac gagatctaca tatgcagaga agcgcaaatac agcgccccaa 360
caagaggaga tgacaccgaa aggcaacacc ccaagacgcc gcgagaacgc gaacaacaca 420
cacaccggca cacacaaaaa gaagaacgcg aggagagaga ctagcacagg gggcaccacg 480
acgcgacnta gacacgcaga gcgagtaaac aagcagagcg aaagacagga ccacaacaca 540
aact 544

<210> 36136
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36136

ctcacctcct tgagatgaga agctagagnc tagctacaca cccctataa tagctaagct 60
caccctatg acaaaaataca tgataataca aaaaanatcc ctactacaaa gactactcan 120
aatgccttga aatacaaggc taanacccta tactattaga atggccanaa tacaaggccc 180
aaacgaagga gaaacctatt ctgatatntg caaagataag tgggctcata cttaacccat 240
gggctcaaaa tctaccctaa agtcatgag 270

<210> 36137
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36137

ntntggattn tcacaagtgt tggctgaaaa ntttttagag tncttctaca accaattggt 60
tggcaagctg accaaggggg gttaaatagt gtgtagata tatatgaaaa tcatttcgca 120
aggagtatgt gttaagtcaa aagacatttg tgtcttaaga cgaatcatgc cttgactat 180
tttgatttga cgcacataaa tacaagggtt aaaatgttgt tttgtgcat attagaccat 240
gcctcatata tttgtgtttg tataatcgaa tgatagaaga ggcattccat gatctgataa 300
agcattaaat gatagcatta aaaaattcat ttattgtcgc gtctcggatt cattttatag 360
atgttgggtt agtcgagaat ctaatagagg ggaggggttg aatagattcc ttcgaaaact 420

taacctctta atttcttaatt tcaatt

446

<210> 36138
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36138

acctattggt gtcaactttt acttacttgc atntactggt tttttttact atagaagtag 60
tttatttctg ttntaaccat ccattatcaa tgctattcca acaatgcctt atttctgaat 120
taaactctgt ctaataagca agttacctga gttcaatact cggatcactc cattnntaat 180
ttaaatactt gactaccggg tgcgctntcc ggcgaaatcgg atttcccttg aatatatttg 240
tataaaggaa aatnggacca naaagtaact ggaggggata tccaacatat agtctntgaa 300
aagtaaaggt ggatgacatt gatagtctcc t 331

<210> 36139
<211> 441
<212> DNA
<213> Glycine max

<400> 36139

tcgtgggaaa ccagtgcattg gaggagaaaag ttggatgctg aatttgattt gtgggattca 60
caatcatgaa ttggcaaaga ccttagttgg acatccatat gctgggagat tgacaaatga 120
tgagaagaat atcattgctg aaatgacaaa gtogaatgtg aaaccaagaa acatcttgct 180
aacgttgaag gagcacaaca ccaatagttg caccacaatc aaacaaatct acaatgcaag 240
aagtgcatat cgttcttcaa taagaggaga tgacactgaa atgcaacacc taatgaggct 300
tcttgaacgt gatcaatata ttcattggta tagattgaag gatgaagttg tgggtgtgtga 360
tttgttttgg tgtcaccag atgcagttaa gttatgtaat gcgtgtcatc ttgttttatt 420
gatagacagt acctacaaaa c 441

<210> 36140
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 36140

tccaagtgt cccgatcatcc atttgcatac tcatgttttg gtggcatact cncgttggt 60

tatttcttta ggaatnntat cataactaag aaaacaccaa gtcacccta taacactcga 120

tccagaanaa tggataatga agagggcgtg tangaacata tgaaggccga tctattggcc 180

ttaaaggatc aaatggcttc catctcngag gtcatgttan aactccagaa aaccatagag 240

gataaagcca ccgcaaccgc cttcagtaca gttaggaag cggagccggt gctgcagccc 300

gctttgaatc cggcctagac agaaacacgg tcgtgttcgg tcgaaggtat agtccacaag 360

cttatcctta t 371

<210> 36141

<211> 444

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36141

ntcgcagata atgtcaatgc cccaccgcat ccctgaatg tctcgtccgc cccttggcct 60

ttctccatgt ggggaataga tgatcatggg gccattgagc ccaaggcctc gaatggcat 120

cgcttcatcc tcgtagcaat agattatttc accaagtggg tcgaggcggc ttcataatcc 180

aatgtcacga ggaatgtggt ggtcagggtc attaagaaag agatcatctg ccgatatggt 240

ttgccaaaga agattatcac ggacaacggc accaacctga ataacaagat gatgggggaa 300

atgtgcgagg agtttaaaat ccagcatcac aattccacac cctaccggcc aaagatgaat 360

ggagccgtgg aagcagccaa taagaatata aaaaagatta tccaaaagat gactgtgtca 420

tacaaggatt ggcacgagat gctc 444

<210> 36142

<211> 291

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36142

gtcactatat gtgacgcccc acaatcggac atncgactta aatgttatga ccatctgaat 60

ttctcaagag cttccgttgt tcaattctga gcgtcttcgt atgtgatttg tctgaatcgg 120

acatgcgtgt gaaaaagtat gaccatttgt atttctcaag agcttccgat tgacaatttc 180
aagcctctcg acatattatg cgcccgaatc ggacatccgt gtgaaaagt atgaccattt 240
gtatttctca agagcttccg atgttcaatt tcgagcctct cgacatatta t 291

<210> 36143
<211> 405
<212> DNA
<213> Glycine max
<400> 36143

tataatatat tgatacgctc gaaattaaac gtcggaaact cttgagaaat tcaaattggc 60
ataacttttc acacggatgt ccgattcggg cgcataatat gtcgagaggc tcgaaattga 120
acaacggaag ctcttgagaa attcaaattg tcataacttt tcacacggat gtccgattca 180
ggagcatcac atatagagac gctcgaaatt caaatgggtca taacttttca cactgatgtt 240
cgatacaagc ttataatata ttgatacgct cgagattaaa cattggaaac tctctagaaa 300
ttcaaattggc cataactttt cacactgatg tccgatttaa ggcataata tgtcgagagg 360
ctcgagattg aataacagaa gctcttgaga aattcaacat ggcat 405

<210> 36144
<211> 238
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36144

agttgtgtgt tatacaacaa taagccttat tccaccaagt ggagctaata tacatgtcaa 60
aatcactaat tggcatccac atttgagaat ccaaagtgca taaagtttat tgattactaa 120
gccactaact tactttactt acaatnttgg cgatgatcgt tctatatcaa tctcgttaac 180
ctatgctctg ctcatcttta ttnttccctg catgatttcc ttgggactac agatactg 238

<210> 36145
<211> 468
<212> DNA
<213> Glycine max
<400> 36145

tcttgagtc ttctatgcaa tgcccttggg gggtaggatt actatattct ctccccctt 60

gaaaaggatt tgatctcaaa tccatagggt cttgaaactc atggattctt tcctcaacac 120
 ctctaaaaag aataaaaaca tatgtattag tgatgttggg tatgttagag tacgataagg 180
 actgaaaacc ctttcttgg ccatcttccc atgagagaat atagttcctc accaactcag 240
 tgagtgggtgc tacaagtata gaaaaatatg ggataaacct ttcgtaaaag tttgttaaga 300
 tattgaagcc cctaatttcc cttatacatg gcggagtaag ctactcaaga atgaccttta 360
 ttctcttagg gtccatggga agcccttgat cactatttaa aaagttaagg aaagtaatgg 420
 aataaaatat accttttttc tttattttca tgttgattat tcctacaa 468

<210> 36146
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36146

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 ccaagctcag caagcgggta ttcttcttct tcatggcnca caccctagag gaggggtgcct 120
 gctataacct cactcctta gactcacgct gcactacat gtaggaaaat caccattgaa 180
 ggacctcata gaagctcaga gatccaagct ccataaaagc cacacatgca agctctcatc 240
 acacgaagct gaggagtcca tcgatagcca gtgaacacga caaacttatg agataaaact 300
 cgcctatagc gtatcaaact ctaccactnt atggatactt cgtcagagat cactctttaa 360
 tgccaagaat acgaagcaat actcaatact atcatgatgg gtgataacaa ggccatccca 420
 cagataacgt aactaagctc gcaagaaagt gggctatccc atctccgaat caatatgccg 480
 ctagcgagca gacctagcgc cctctctgg 509

<210> 36147
 <211> 458
 <212> DNA
 <213> Glycine max
 <400> 36147

tgagatgagg aagtgtagaa aggtgaaact tcctgttttt attctttgac cacagagtgg 60
 tacctggaga tatgtcgcgg agatcaagag accttgggga cgtcaagtgg ggtgctattg 120

cccaaaacca agcttgacca atcccaaccc aaccgaggca tagccagtca gtgagaacct 180
 gtgatgtacc taagcatgcg agctcttggc agtcaacaga taaaaggaac aaagaccaca 240
 aagcaaggag gcttgtgtgg tggctggcca gctgtgaact ttgattgata tatgggatat 300
 ggcctctggt aatcaattac caaggggtggg taatcgatta ccaggcttaa aaatgaagac 360
 aggaggctaa gatggtctct ggtaatcgat caccaagggg tgtaatcgat taccacgctt 420
 cgaaactaag tcatgaagct aggagagctt ctgggtcat 458

<210> 36148
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36148

agctgcagct gtaagcctta ctaatngcat ttttatanaa cnttgaagcc aaagaaaaag 60
 tattggtact cacaaaagca ttattatata ctcagaagtc tgaattgctt cgtatgatgc 120
 aagccaccaa atgcattaga aaaacaatgg tttctaagat gatgttccca agccagacat 180
 gtgcattgta taagtccac aaccatctaa atcacattct ctctactcaa gtcttcacca 240
 tctcaacaaa tgtctagtca aaggtgatct caagtagata cattangtat ttacattccc 300
 tttggttgaa catagcctcc caactaaggt aaatgtaaca gatgacacat cttatagagt 360
 gatggttatt atatccncaa caagaaagtg gaaggaatta gcgtacttca accnccaatc 420
 acctaaagta cagaacacca ttatccacct acggtaacat gcttctag 468

<210> 36149
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36149

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 aatagatttt gaaataatgt gtgatgcaag tgattatgca gtaggatcag ttctgggtca 120
 aaggaaaaat aaaatTTTTc atgtcataca ctatgaaagc aaggttttaa ataaagctca 180
 aataaattat gccacaactg agaaataatt gcttgcaata gtatatgctt tggaaaaatt 240

tagatcttat ttgataggat ctaaaattat gggttttact gatcatgttg ctataagtta 300
tctgttagtt aaagctgatt ctaaacccca acttatccga tggattctgt tgttgcagga 360
at ttgactta aagatcaagg ataaaaaggg aagtgaaaat tatgtagttg atcatctgtc 420
taggctgacc aatgatgagg tgatcacaca agaacctg 458

<210> 36150
<211> 424
<212> DNA
<213> Glycine max

<400> 36150

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ttgtggatga tttctccaga tatacctgag tcaattttat cagagagaga tcacacacct 120
ttgaagtatt caaggagttg agtctaatac tgcaaagaga gagagatagt gtcatcatga 180
gaatcacgag tgaccatggc agagagtttg aaaacagcaa gtttactgaa ttctgcacgt 240
ctgaaggcat cactcatgag ttctctgcag ctcttacacc acaacaaaat ggcatagttg 300
aaaggaagaa caggactctg catgaagctg ctacgggtcat gcttcatgct caagaacttg 360
cctataatct ctgggctgaa gccatgaaca cagcatgcta catgcacaac agagtctcac 420
ttat 424

<210> 36151
<211> 277
<212> DNA
<213> Glycine max

<400> 36151

agatactcac cttacaagga agtttctgtgg aggaggagaa ttagagagtt tcatttgtct 60
tggaattttg acggaaaaaa gggagagaat ttaaccttta aagttgtctc tcaaaaatct 120
cattcctcaa atttcctta tacttgatgg agtggggcac tcacgaatga catttattct 180
cttaagggcc gcggaaacac cttgatcact atttacacaa ttgaggaaag tcatgtgata 240
aaacatacct ttttctatat ttttatgttg attactc 277

<210> 36152
<211> 339
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36152

aaaaggaat attgtagccg atgctctttc tcggcgatcat gcattacttt ctatgcttga 60
 aacacaattg attggtcttg aatgtctgaa aagcatgtat gaaaatgatg aaactnttgg 120
 agaaatttta caaattgtga aaaattttca gaaaatgggt tcttttagaca tgaacgctgt 180
 cttttcaaag aaaacaaatc gtgtgtgcct aaatgttcta ctagaaatct gcttgcttgt 240
 gaagcacatg aaggagggtt aatggggcat tttgggggcc aaaagactct ataaacatta 300
 caagaacatt nttattggcc tcatatgaaa aaggatgtg 339

<210> 36153

<211> 398

<212> DNA

<213> Glycine max

<400> 36153

atactcaacc ttctagatga gttatgtctg cgaatcggac atcctgtgat atgttattac 60
 catttgaatt tctcgagtgc gtggcggttg ttaatttcaa gcgtctcgat attttatgtc 120
 ctcaaactag acatcggagc gaaatgttat gaccattcga agttgtcgag agcttccgtt 180
 tttcaatttc gagcgtctac atgagttatg tcaccgaatc atgacatctg agtgaaatgt 240
 tatgaccatt ccaatgggtc gagagcttcc gctgttcaat ctcgagcgtc tagatgagct 300
 atgtaccga atcggacata cgcgttaaaa gctgtgacca tgctgatatg gcgagagctg 360
 gcgctgttca atcacgagcg tctcgtatta ttatgtcc 398

<210> 36154

<211> 243

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36154

tggtgatgca agaggagcat cccattgcat antttagtga gaaatcgaat ggggctgctc 60
 ttanctattc tacatatgat aaggaattgt atgccttatt aagagctttg cagacttggc 120
 agtataatct cttgccaag gaatttagta ttcacagtga tcataagtct ttgaatactt 180

<210> 36157
 <211> 429
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36157

 ntaaccgttt atttaagcca ttttctcacg taataaatgt cttaatgaat ttcaaccaat 60
 catttggtgtt gtaatgtcat ttaatcaatg ttaaaacaaa atctaaccga tcgttcacgc 120
 tataacctcg gttaaacaaa aaaaggtaaa ataataataa aataatcaaa aaaatcaatc 180
 ggacgttttt ctttgaaagt ttccttgaat taattgacta ataaccaag tgaaaccaag 240
 gctaaaatca actcacaat caagcttgtc cgcaaaaaat cactcaagac cgttttaagg 300
 tccaacgcct taaaacggtc ctctttgctt atattggta aaatggacca ttcaaagcat 360
 aaaatcaaca tataaattta tcgcttttgc aagaactacg taggtatgat tntctcatca 420
 caattgagg 429

<210> 36158
 <211> 450
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36158

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 aacgccgaac attaataaca cttccggggc atcaagggat tggcattcct cagagagagt 120
 ggggtcccact ggaggaagat gaagtccttg actttcaaga aggaggtgct tattagcgcc 180
 tggccacaat ttgtgaaccc catgattaaa tccgacctag agatagtcac gcaattctat 240
 gccaacgcct gcctaccgaa ganggagctc gatatatgtg tgtagccgca nagatatttt 300
 gatgttntga tgaatgccaa ggatctcacg cctctcnaag tttattcaag acaagaatcc 360
 aagaaattca agatatatga tncagataat cttcagagtc ttatgaagga aattccaagt 420
 ngaacaaca agaggtttga ccatagaatn 450

<210> 36159
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 36159

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gagcaaaggc agaaaactct gccaaaacac caaccgaaat cacagctttt ctactttaa 120
gaccccgata acaattcctt cgatccaatt cgttaaccgt tgggttgact ccaaaatttt 180
actggaagtc tctagtagat aagcctacat tttgaccgtt gggatctact agcaaacatc 240
cagaactcat tctgactgc tctttcccca accagcaaat gcatagcatt tttctgcact 300
tgtgcaaaat tctgctgcac aatttcacag caaaattctg cacaaagtgc agatttcgaa 360
aaccacactt cccctcatcc aatcttgccc aaatcaaadc ctataagtcc caaaccatgt 420
atcaatcatg tctaaaccaa agtcaagctt 450

<210> 36160
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36160

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ggctctagan acccttggtg atcgatatca ttttttanag cccacaaaag gggtttttat 120
atatgtttat agttataacc cactaaactac aggggatgat tgcccttgta aaaaaataga 180
tagaacacac acacacacac acacatatag atataattct caagcttata tatnaaacat 240
tcctcttata tgatgtgacg tatatatata tatatatata tatatatata tatatatata 300
tatatgtata tatatatata tatataacgg tgtgatgggc acgtggaaac aaaatataga 360
gaaaatttga aactgtgact taagaagaat tttgtagatt ttatttctcg acaaaaattt 420
tgtatgtttt atatatccac aggaaggatg tcttattgtg tttcttctc atataatgag 480
tggtgacccc agaaaccatt tatttn 506

<210> 36161
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 36161

tgcccagagtg atgcatccct atgagatgcn gtggaattat tttcgatcag aatggccatt 60
ccttggagga tggggtagaa ccaagcgc at gctttttcaa agaacgttca tggaatcaag 120
ttgaacaatg gaagtaacta tcttgcaaaa attggggcaa aggatgaatc tagtcacatg 180
actgcatgaa cgactggcac acgtatttat gaaaggagat gtccttgcta cttgcggtgt 240
cacctataac atatatgtga tagaccgtgc ggaaaatcta aattgattga agcggatatg 300
ctgcacagat gctttaactg tacatcatac gtacacatcc ttgctgctca ataggagcgg 360
agcccatggc actctctcct tgaatatgaa catgattatc cataagatga ctgtgtcata 420
c 421

<210> 36162

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36162

cagtctggat acccttcacg aacagatnng tcggtattg gagttttata nnttcaatcc 60
ctctaataa aaatatgcat gaaatgtcgg taaaagaaga tggttcgaat ctgacgtcca 120
tgcgagtgat agcttccttt gttaaccctc gatcgagtca ttctttccct gggccgaagt 180
acgacaagga attnnttttt cgatcatact atcggtgaaa nannatattt ttngccgaga 240
tgggctaata tttctcctggc cgaataaatg caaatatgcc agtttcggcc gaaacaaaac 300
gtcggttgag ctcgctcaaa taaacttagc cgacctacat tgtacatctt ttatgcaaca 360
ccaaaacaag aggacttcct ctgccgtaat aaaacatatc ggccagcgag c 411

<210> 36163

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36163

ntacagcaga nttagtaat gaccactaa cctagaatta aataacttaa tgccattaac 60
ctagggaatt aaaacaaact taatggctga gtgtaactga aattgtggca accaaaagtc 120

<211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36168

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agcttgnta ccccatgttg aatntgcttt ctttatagct gttcatagca ccactaattg 60
ttctcctttt gaagttgttt atggtttttaa ccactaact cctcttgatc ttttgcctat 120
gcctaattgt tctgttttta agcataaaga aagtcaagca caggcggact atgtgaagaa 180
gcttcatgag agagtcaaag atcanattga gaggaataat aaaagctatg ctaaacaagc 240
caacaaaggg agaaagaagg gtgtcttcga acccgagat tngtntggg tgcacatgag 300
aaaagaaagg tttccggaac anaggaaatc aaagcttcaa ccaaggggag atggaccatt 360
tcaagtgtt ganagaatca atgacaatgc ttacanagtt gagctgccg gtgagtataa 420
tgtagttcc accttcaatg tctctgatnn tatctctttt ga 462
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<210> 36169
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36169

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tctgttgac cttgaacaag caatcaactc ctntcagac tatgctatgt gctcgcgact 60
ggtccttttc ttcccttcgc aacttgagtt cattattgct acccataga gctccgcgaa 120
atgtgttccg gccatactct tccttgcgag ccctcttggg ctcttgttca agggctcttg 180
cggtaatgac attctcttcc cgtaaccggc cgcactcctt ccgaacgtgt gtagcagcca 240
actgaactt ctcttggcg agttttgcct ttcctaactc gcttttgaga gcttggactt 300
cttcgtcttc ttccggtgct tcaaaattct cttcgctgac gacttttaac ttggcgagcc 360
aatctaaacc tcgtatgcga actttcagcc attcatggta cccaccaatg atgccattac 420
gaatgcctct aagctcttga tctttcctta acggagtttc ccatgc 466
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<210> 36170
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 36170

atatatatag ccagaagggg tggttcccta naataacgga cgagctcacc tcagtatccc 60
ccataaaaag acaagctcac cagcgttata tatgaagaac cgaaccctaaa ggtaatgcta 120
tatatctttc atctgcttag atattccgag ggttttggtt ggattgatga gttaataata 180
aaacaagcta attaaaatga atatatgtta gttggtcttg tttcttagaa taagatcata 240
agatgaaatg anatgtattg aaacttacac aaagctatct acattttctt ttcattcaat 300
aagcttatat ctctcttact atatatatat atgnggggct atggaatata attaataact 360
aactgttcac taatataata tatata 386

<210> 36171
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36171

taattattca tgcactatgt gtattttaat gnttcaaac ngtgngttct taaatctaaa 60
tagcttagtt ggagaattaa atttaaaaaa taattataaa ataattacat aactcttcat 120
gcgatattca cacctttata acataattag tagtatctaa caccttatat tttgtatata 180
taattttaaa aataattata ggaattcatt aatgtacacc tacctatttt tttagaagta 240
gttactaaat tacaataaga ttcttaaaat acatcccagg cctaagttgt taagattatg 300
tttaataaga tatttttagga gtctataagt tattttgact aaagtaaact tgtctaatac 360
atgagtttan tttttataaa ctaccttaag agaacttatt ttgataagtt acttaaactt 420
ataaaagata agctaactta aaagtttctt ttcatt 455

<210> 36172
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36172

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agatctcatc acccttacag actatcgaaa aaagctttta atggaagtca agagcacgaa 120

actgcgctga taccattgac tgggtgaatag gtcttccagt ggggtgaaca cctgaatact 180
 gtatttgga agacctaaaa gaaggataaa agtaagactt gcatatggaa gaagaggtcc 240
 attttctttg atatttcgta ttggtttgat ctagatgtta gacattgtat cgatgttatg 300
 catgtggaga aaanagtatg tgatagtgtc attgagacgc tccttaacat tcaatgcaag 360
 atgaaagatg gtctgaatac ccgtcatgat ctatctgaca tgggtatacg atcgagttg 420
 catccaaagt ctgggtgggaa aatatacttg cctccaactt gtcatac 467

<210> 36173
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36173

agaaactcaa gcttaacagc taanaagttt gtacagaaga agaaaattta aagattttnt 60
 ntgtcattat gatatggaat atccaccaat tttgctgatg attaatttcc atcaagtaat 120
 ccaattggtc tcctttaatt gaatttctct tccaatcat gttttttcat tcacaagact 180
 cgaatataaa atcttggtta aggagaccac aggactaacg tatgttgctg gtaaaagtac 240
 atggcctcac ttttggttta ttagtaaacc cgaaaaatga gaaattgagg gttgatatgg 300
 tttctcaaat aggaagggtt gtgttaaagg ggtatgaaaa gttgcagcat atgtatgtga 360
 ctttctgtta gtagagtgtt acattagtaa tatgttccta tgcatacttt ctggcattca 420
 gtgttttcat gttcaagtcg tactacttga caatatggta tgtactc 467

<210> 36174
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36174

ccgaacacaa naggagagaa ganagaacta ttgatcagct agagaacacc ccggagcgag 60
 aggcataggg atagagcaaa cgctgaacta tnccgagccc aaagcaatga ccacaagaaa 120
 ggggagtaga ggctcaggat gcaccatagc ggacctggta gcacaccacc tggccaacag 180
 acagagccat ctggcattca agcaccagaa acagctgaag aaacggctaa aacggatcac 240

acaccacaag ccaaaggcga aggaagcata acgcacggaa cagaggcgca cacacccgac 300
 tcgactcacg ctgtacgcat caaaacagaa acatgggaga ccaagtcgcg cacactgcga 360
 cgctgtgaca ccgacacaag cgtacctaaa tggatctcgg acagctggat aaggcacaac 420
 aanacagcac cgaggcagca acaccggcta tgtagaggca ataacgcagg aag 473

<210> 36175
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 36175
 ccttcttata caaggctcat cttgggtggtg aagcttcttc tttctgggtt atttacctag 60
 tggatggtgc gggttcttac ctcttctcct ttgtcttcgg ctgcatctcc atgggtggaaa 120
 atcaccaata aaggacctca ttgaagctca aagatccagc ctccatagaa gccccacaag 180
 caagcttcca tcaagtggta atcagagcac aagagcttca agtaggtgct ccttaaacct 240
 ccattaattt tttttgcttt accttctctt acattgacgt ctcttcattt ttttctccac 300
 gtatctcctc atatgtcttg tgctaaatat tgtaaacatg attctttata gattccaccg 360
 attaaacttg ctatagaagt tacatttgat tttctatggt tcaaatttct t 411

<210> 36176
 <211> 59
 <212> DNA
 <213> Glycine max

<400> 36176
 agcttcgatg ccgatgagca ggtcatctcg tgcgcgctca aggagctcgg cggcggcgc 59

<210> 36177
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 36177
 gatgcgcata caccggctc gccaccgcac aggcccgat taccttatcg gcatgcatgg 60
 tctttgcagg gcatcacaac tttcagaatt tcatggaaac taaaaatact tatgtagaac 120
 aatcacttga cctgcctgca ggcgcgcctg tgactgtccc ccaggcgact gcaccaccac 180

agtcctctat aagacatcat ttatcagatg actcggccgc acggccccgg cttcactcgt 240
agaatcgccg cttggattcg ccggccagca ccgctggaag gcgaacaagg agttcctaga 300
ggagtcgcct ggcaacgctc caggcatcgt tggagacgag cctgcacccc accggtgcag 360
gctttttttt gcttcagcgc atgctcatgg actggcgctt ccaggccggg tcctgccagc 420
gctggaaca 429

<210> 36178
<211> 260
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36178

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actggaatga tgatcattcc ttgaaaaatg ctgattcaaa ncaaactgac tcagcacata 120
atcttgatac aatggtgtct ntggtctcat aagagtaaga cacttcatca gaatcanaaa 180
caaaaatggg tntgaaaact ggatttgcac tgagaactgg atcacctttg aatattgccc 240
ataccatggg ccacttctga 260

<210> 36179
<211> 445
<212> DNA
<213> Glycine max

<400> 36179

acacttgaga atactcacc ttgctgtttt attataaata tcaataattg tcagatccac 60
ctggttaagg ttcacaaaat aacagccatt gtatcctatc cacaccaagg aaaaacatat 120
tacaacaaaa gacaatatag atttaaaagt tctgagcaaa tcagtgtgag ttattctgca 180
taagaactca gaccaacaat catggagaac agcaaattct tcgtgatacg actggtataa 240
tcattttctt tattataaga aaaattacaa acgttcagca atggttgata gaatacatag 300
tgtcacaaga taaccccatg caatatcaa aacagaatag ggatctcaaa ggattagaga 360
gaatattaag aaaaaatagt ggaagcatta taacatatat aaacattgat gagtgatgac 420
aaaggaaaat aaaattaaac aagcc 445

<210> 36180
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36180

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 aaactggngc anataaagag ggtgaggatg anggagaaac ccatgctgtg acttgcattt 120
 ctgtacngnc aagttttcca ccaacccaac aatatcttta ctcagccaat aacaaacttt 180
 ctcccttacc accacccagt tatccacaaa ggccatccct aaatctacca caaagtctgt 240
 ctaccgcact tnncatgacg aacaccacct ttagcacann accaaaacac caaccaagaa 300
 gtgaatnttg cagcgagaaa gcctgtagaa atcaccccaa ttncagtgtc ctatgctgac 360
 ttgctccata tctacttgat anttcantgg tagccataac cctagccaan ggtcattcaa 420
 cctcactttt ctgangatac gactcgaacg ccn 453

<210> 36181
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 36181

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 caagaaatga attgaaagtc tcagattcga aaacttaccg gttgaagaat gaagaacgaa 120
 tgaagaatga atgaagaacg acgaaaaacc atcatggatt tgctcacgaa aacgtctcgg 180
 aagcattaca gaagcacctc ggcttggatt ttcttcacgg aaacaatttt ttttcaccag 240
 aacagctgaa atgcatagcc aggggatccg ggatccttgg aacaaccccc tttttctttt 300
 tttataggaa aaggggagag gaggttgctg ccagctcgc ccaggcgagc tgggttgctt 360
 cctttagaag caaccatgct tcgaaaatac tctggaaggt ccaaattcaa aatttcga 418

<210> 36182
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 36182

ttccggaag aataacttta agatccagat aatatgatgt attataccac ataaccagaa 60

acgaacaccc tctgtcattg ctgcatatat agcttgagtc aagttcttct atttaagaat 120

atgggtttaca tatagtaccg aaaaaaaaaa caatataggt tatattgctg tgctttgact 180

aataatatcg tattgtagaa tacaaatatg ttgcacgtct gactcttaag aagaacacaa 240

nattaagaaa agaatanat cagtaaataa ccagttacga tggacaacat aagacattga 300

ttttttttta cttaatanat atgagtcaaa ttttttgttc caaataaaaag atattaaata 360

gattacaaaa atctaattnt ctatttaata attata 396

<210> 36183

<211> 442

<212> DNA

<213> Glycine max

<400> 36183

tcaacagaag gggtccttct cttcagtatg catatgatct tggtttatct tctgaccatc 60

ttaggategt atcttattcc tttgttgga cgggtggttca acccggttca gcaccctttg 120

gcctccaaac cgagttggct aagatgactg ctcaagaaat catggaggct aaggcccttg 180

cagcttccaa gagtcacagt gaagctgaaa ggagacgcag ggagagaatc aataaccatc 240

ttgctaagct ggcagcttg ttgcctagca caaccaaagt aagtctaatt aattaattaa 300

tttaactaaa attaaataat aaattcttcc cataaattaa ccacgtattc aaattataaa 360

atatgtatat ttactatta tgaatcatga attggctact actagttcgc atgtgtaatt 420

aatcatctga acaaatacta aa 442

<210> 36184

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36184

tttcttgagc aagtagcctg gcctgaagct caacttccat tggtagagacc caacgaggct 60

actccgctg agcccacctg tgcaggttga tccagagcca actaaccac aatctctagt 120

ggtaaatacca ctatcttctc ttgagcgtga agtagttccc ccattctcac ctctgattat 180

catctccgat gcatcatctg atgaagcagc tgccccctct gattcaccaa aaggagaata 240
cagctgacct tcctacttcc tagttggagg aatttctgat tcgtcatctg gagaagcttt 300
accctcactg attcccagtt agacactggt gacatgtgat cctgatgacc tnttgctttt 360
ggttatatta taatatggtt 380

<210> 36185
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36185

acactatgaa tactcagctt agaagtgtgc taactaatgt ttaataagga tgtagggact 60
agtttgtcta acttatgtct tatatgtcag caagaaagga aactcttttc catctttttt 120
gtgattgtat ggatactaag ttgatgtggc aattttttat tcgagtataa ggttcaatac 180
aacatcaatt ctttcataac caattgtcgc aacctaccct tttgcgggtg tcgcaacatg 240
cccttttgcg ggcgagcgaa ggcgaggctc acgggtgcgc tttccaaagg aggaaagatg 300
cgcgaggatcg ccaccaacgt ttatttgtgg gaaacgtcgg aaaaaccgaa ggaaaccggt 360
cgaaatgaaa attctaagtt cgggagttgt atttacgtnt caggaaggta ttagcacctc 420
ttacgcttgt cttaaaggac aaagcctat ttttaaaat 459

<210> 36186
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36186

agcttattat tcgtacacca naatgtgttc cnttgagtct tatnatagaa cccaccaacc 60
ggaccaagtt gttgtgggtg nggtgagtct tgaggagagac tcaagcagtg tatcgagggg 120
aatctccact aaaggcctgc gcaacacaac aaattagaga cttgtctagt aaaaaaggca 180
ccttgaatct aagtaaaaaa gaacactcta ctttaactca acttcacgtt attctacttt 240
nttttactgg cttcacgtta ttgtacttga aacagctaaa cttcatgcan aaaacaaatt 300
ttcaagaacg tattgttttt ttattattta aaataccaac ttagagtga agtcgataca 360

gaaacagcaa gacactcata aaatggaaga taaaagaatg tgatgaccaa gttaattcaa 420
cgcaaccctt tatctcagac tta 443

<210> 36187
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36187

tataaagctt gggaaatcct cactttacat gctaatttgt ggtgggtgac ttgggtccta 60
aatcctaatt gtaagatagt atcagagtat aaccaagatc cattggtggg ctaacctaga 120
tcaattgggc cacctgcatt cccacattcc aggctggtag cctagagcat gaaggggtgt 180
gtgttgaaaa gccacttaat cacgggtcaac ctatctcgcc ttagttacgg cctctttggg 240
ggctgtcttt ttttttatca gcaaaaatat ataattatat tgatatgagt accagaggta 300
caaaggttac aatttaatac atcaaacaaa tgggttccaat atcagacttg atgtagtctt 360
aattgcagcc tcaaggggtg tgctttttta ggccacatcg actagagata tggcttanat 420
agagcttata aaga 434

<210> 36188
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36188

gctatgtcct cgcgactggt ctctttcttc cctccgcaac ttgagttcac tattgctacc 60
ccatagagct ccgcgaaatt tgttccggcc atactcttcc ttgcgagccc tcttgggtctc 120
ttgttcaagg gctcttgagg taattgcatt ctcttcccggt aaccggcac actccttccg 180
aacgtgtgta ggggccaact tgatcttctc cttgggaagt tttgcctttc ctaactcgct 240
tttgagagat tggacttctt cgtcctcttc cgggtgcttca naatcctctt cgctgacgac 300
tnttaacttg gagagccaat ctanacctcg tatatgaact ttcagccatt cgtggtaccc 360
accaatgata ccattacgaa tgcttctaag ctcttgatct ttccttaac 409

<210> 36189
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 36189

tatagaatat ataataaaag aactatgact attgaagaat cattcatggt tcctttgatg 60
 agtctaagtc tattttctccg agaaaggata ttttagatga tggtgcagaa tctttagaat 120
 gaatgcatat tcatggacaa gattctaaag ggaaaggga aggaagcaat gaagatcctc 180
 ccgaagaaga tcatcccctt gacaacatta ttggtgatat ctcaaaagg gtaacaacta 240
 gacatttctt taaagattta tgcaataata tggctttttt atctatgatt gaacctagaa 300
 atataaatga agccatatta gatgatcatt ggatagttgc tatgcaagaa gaactaaatc 360
 agtttgaaag aaacaatgtg tgggaattag taaagaaacc tgaaaattgc cctatcatag 420
 gaacaaaatg ggtatatt 437

<210> 36190
 <211> 522
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36190

tgggttctgc cagttcnnac ttgtcggnen ctnnanaang ancgccgctg cagcnaaaga 60
 gcagagtaaa gcannacttt ttattcncca ncctaaccgc ncaggnggaa ctcatgcgcg 120
 accgccccac ncaacccaag ggccagactt acacgcgact gagaacaatc aggtggagaa 180
 gaggnctcag gacttaactc cttaatgtgt catagacact ctcttgggcc ctagtatggt 240
 atacttacta actactatct ctatctcttt taaaaagatg agtaatcgct tattctacac 300
 tataatttgt ttcttatgaa taggaacaaa tgtagtatac ttctaaagca cttataaca 360
 caaataatag tcataatagt agtaattaa catcaccata ggacggcata ntaatgacaa 420
 tataagacag ggtacgatga ccgtaataat actcacaata tcgatcacat gcattgatca 480
 tgtccacacc actattataa atcaccacta atggactaat ag 522

<210> 36191
 <211> 432
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36191

taatcaaatg atagatgccc taagagatat aaacattnnt aatangaata tatagtaaaa 60

aggcaaaaca aaaaactcta tgcgttggag aggccataatc tctcttaagg tccaattcc 120

aaatttcac ctaacccccca atgatttccct ccactctctg cacaaccaat tcacatgcct 180

tatgcctact actaatgcca acttgaaaat taattaagca atttctctct cctaaacttg 240

agcaagtgc ttcaacctcc tcttctctct taattttttg cttgataagc tttgcgttct 300

catcatgtat ttctctctcc ttttctctct caataggagc ttcaatagtg agtttagtat 360

gttgtctgat gagtctagat ggctcactat cttcaattgc atcaccaaca gctccccaag 420

tcaagctatc at 432

<210> 36192

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36192

tgcaagctat taagcccaat caaaaccac gtcgtcacat acccgcacac aatcgcggn 60

cacgggtcta ctacggcaca gcccgatgta atcgagcgga acccgtaag caggccgtta 120

catccgtcaa tcggttcca atggcccacc aataaccgca gtgctcccag ccaatgccgt 180

cgtgacagct gtctcccta tcggttcca ttgaccataa tacccttcgc tatagtata 240

aacgaaccag ggtgaagcc gtaccacccg aaccacaaca taaacgaacc aagcacaact 300

aaagacgcgc tgtggccacg caaagccaca gaccggcccg tccggtcgaa ccgncgatt 360

ctcgggcctt caattaaagc ccccccacatg ctgctatcc cgccaaccat gtgaacaacg 420

cctgagcccg caaagtcgat gactccagac ccgaacaaaa ca 462

<210> 36193

<211> 467

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36193

ngtcactgaa tcatgagaag ctgttccaag gacacacca attcctgctg tcaaaacccc 60
catgaacttg aaggaaataa tttatatcaa tcctattaag gacggctgtc tagttttctt 120
agtattttat ttgatggcat ttttatcctg tatctgggtc tctttgtgtg tttatgcttt 180
cttttttctc tcatgattcc tgccatgtta atgtttataa tataaatatt ttctcacttg 240
cagttctact ttcaacatgg acgtccacct ccaaataaac tgaaagaaga atgcttggtt 300
aaaattgatc ggctattcta tgatcatatg gatggcatgc atgtgcatgg tgagatatca 360
cacatataag tagctgatag cctgaagggc aattttgttg caactgggtga aaagtgattc 420
taaacaactt tcatattcta atgttggtata taattatgcc ctcttta 467

<210> 36194
<211> 414
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36194

agcttcaaca ttcaatttcg agcgtctcga taagttatag gactcaatca aacatccgag 60
tgaaaagtta tggctggttg tattgggtca aagcttcaac tatcaatttc aagcgtctcg 120
atatgttacg ggactcaatc agacatccga gtaaaaagtt atggctggtt gtattggctg 180
agagcttcaa ctttcaattt caagcgtctc gatatgttac gggactcaat cagacatccg 240
agtaaaaagt tatggctggtt tgtattgggt cagagcttca actctcaatt tcaagcgtct 300
cgatatgtna cgggactcaa tcagacatcc gagtaaaaat gtattgtcag tntgataggc 360
tcagagggtc aactttcaat gtctagcgtc tcgatatgtt acgggactca atca 414

<210> 36195
<211> 462
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36195

tcaccttctg gtcctctca tagttgtggc atgataaac atgctctatt ttcatctccc 60
actccaagta ggctccgga tcattcttct ctttaaatgg aggaatgttg agtttaatac 120
catcaattcg gttttgtcta ggaacaccat cattccctct tctcctcctt tcttcttcat 180

tatgatctct attctccatt tgatccaacc tctcatggag cgcacatct cgttgtttca 240
 ttaacctctc catatgttgc atcaaagctt gcatttggaa ttgcgaaagc cccactccat 300
 cattaggatt agtacctgac atctcaaaca aacaaatcaa acgtaacaag acaattatag 360
 ttgctgtttg aatacctcac ccactcaagt gtatcacaca attatggctn ttctctaag 420
 aaacactctn gccttttacc actctaattc cncttgagtt ct 462

<210> 36196
 <211> 545
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36196

ttttnattac gctgggcctt tgtatgntcg agatnctcta nagnagacca cgcggcaggc 60
 atgctgactt gaaggtcgtg aacaccacca tctactctt agaacactgc ngacangncg 120
 acngagagag ggatattcnc tccctctgca actggaggcg ctacttgagc tgccatatat 180
 ctccatcttt gggcgtatgc tcagaaagat ccgtgccctc tctttgcaca tgttctataa 240
 gggcatgcta tccgatgcca ttatactgac acagcctage gaacgcaacc attacgtcct 300
 tccaagactg gactcgggaa ggttccaagt gagtgtacca ggtaacagct accacagtat 360
 gactgtcttg gaagtattgt atcagcaatt cctcattctn tgtgatgcc ccatcttccg 420
 acaatacatc tttagatggc tcttgaggca agttagtcca ttgacgtcgc aacgtcaaca 480
 ccttgaactt gggaagggtg atgatatcgg atactaagaa cgactcttct aggttagcag 540
 atgcn 545

<210> 36197
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36197

ggacagagat acaganatta tttgagctag atttccatat gttcaagaat tgcactgtgc 60
 attgagtcgc aatgtacaag gttcactctg agtactcata tcccaataga agttagcaca 120
 ctaatctaga agattaggat aagatttacc aatggatcat gctctaagct tcttctacaa 180

gtccatttaa actcctaaaac tcaccaaagt agctcattct tcctccattt tcacaagctg 240
 gtcaagagga aaggagacaa catttccact ccttttttaa gcttttccaa gtgttcttga 300
 gcccttcttc catcaagctt aggtaaatga cctccatttt cacttctaag cttgattntt 360
 acttcattac cttgctctat tctcactcgt agtttcttat cttatttttg cactattgaa 420
 ggtagaagaa tagaacctaa actccttcat tcttcttctt aaa 463

<210> 36198
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36198

agctnttgag tgcgatctat aaagcanata gatgtctata ggctttgtag aagttaagca 60
 ctgcaagaca gcattggcat agcaactgca ataataaaga gattaaaaaa aattaatgat 120
 tcagaatata ccaagaaagg aaccatatat agatttttgc aaaagtttat cttcaagtga 180
 atcanggctc attnttacat attcaagtta gatgagaagt ttgaaaacaa aaggtaaagt 240
 gagaaagttc acataagtaa ccttgaaagg gggaaacctt ccttccccc aacttttgct 300
 gacataacaa taataataat aatctagttg ttgaataagg tacagcacca cttgacaaat 360
 gacaaaagtt aatatctatt attaaatgat taaatctata tattcaacat ttctttctta 420
 tcacaatcgt agtgttttta tggtagtatt acctgttccc acaa 464

<210> 36199
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36199

cgcttaaagg tactttcata cacagtaa ataatgaggaa gaattcttct agagaaaata 60
 agttatgtat tataatgtaa aattatttta cattaatatt caattataaa ttaacatata 120
 tgataaattt gttgatattt ataataacta ccttgaaaat cgtaataata acgatatttt 180
 attagtttag tataaaatta ttttaatttg tcatgactat taaattcttt aaatatttaa 240
 tataaccacta ttttcataat gaatgatatt atggtgatca gtgttatgaa caattttaat 300

aaatgtaa at gtaattcct tgccttaac ttcaataact tacaaattnt ataaatgtca 360
 ttgttttatt tgaataatat aacatttgaa ttaacataaa ggtcaaagga tgatcgtcta 420
 tttagcttaa t 431

<210> 36200
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36200

gtgggcctgg tggctatttg cacccttatt ataactaaat atacccctt gctctttatt 60
 aggtgaatgt tttcgtaacg ttacgaaact atacgaattt cataacgatg ctcgtatgct 120
 ttctgtaatg ttacgaaacc ttacggatta cgtaatcatc cgttttttgc ctttcggaac 180
 gtcacacaac tttatggatt ggcactaac acttcctttt aatttctggc atgtcatgga 240
 acttcacgga ttgtgctacc atgctttctt tngacttccg gcatgtcacg gaacttcac 299

<210> 36201
 <211> 428
 <212> DNA
 <213> Glycine max
 <400> 36201

tctacgacca cgacatggca aattgggggg taccttactt tattactggt aaattttgtg 60
 ttcgtaatat gttacattgg attatgatgt aaacatgttt ttatggtatg ttaaccta at 120
 tttttttgta gtgctggatc tatgagcatt ttttgagtat gcatcagttt gtcacgatg 180
 atgcgtatga ggagacgtcc cctcgtgcct cccgggtggct gatgacgaag gtcatatga 240
 agggaattac aggagcgtcg taccggggcac attgtgattc tttaacgatc acaaacgtgt 300
 gttggttgcc ttacagtgac catcgagggg ttaggggatt tgagctgatt tcatcattcc 360
 aggggtcaact gagatggggg cctatgggtg tccagttcg atcgaaagg gtgctatgcc 420
 agtttggg 428

<210> 36202
 <211> 469
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36202

agcttaatga gtttcttggtg tgggtctcttg attaaattga tgcattgttta aaaaagtatc 60
atgtcccaga cgaaagtatt tctctattca gtgttttctg cagatatggn gaacgggatg 120
actcanaatc cataatgaca gattgctcct cttcagtatc atctgggtctg gactcagatt 180
ggtgttggtta tatcaagttg agaatgaaag aaaaaggact aatcctatta gtagtcatca 240
gatagatgaa ctatgtttgg atgaatcggt gcgatttgag acattaaatc aagtagttga 300
ggctgcgcca gattcctcta cccttgccaa aacctttgat tntgttatgt caaaagatgc 360
tggaagatcc agtgacttag canacgcaag tntgtccatg agtgagtttt cggtcanaag 420
ccagcaccgg tgcgtacaa tgagaaacct tctggagtct cttatcaca 469

<210> 36203

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36203

tgaagagaat gcaagagaga ggataaggaa acctattatt ttaacatgga aagaaataaa 60
ggagtttata aggaagatat tcttaccacc ttattatgag aaatatgttt atgataggct 120
acaaaacctc aaaaaggta gcaaaagtct tgaagaatac cataaagaga tgataatgac 180
cattaggaaa gccaatgtac aagagcctaa aacttcata acaagggttc tatgtgggct 240
taataaagac attcgatgca ttgtgaagtt acaacactat aagagcttgg aggatatggt 300
gcatcaagcc aagaaagtgg aaagacgact tgagaggaag cattcctaca agaagaccta 360
tcaccatgac tcttcccggt gtaaggacaa gtctaagaaa tagggatctt ccncacctgt 420
aacat 425

<210> 36204

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36204

catgcaagct tgcacatggt tatgtatgga ttcttccttt ttttgtggaa gaacacaaga 60
atcaanggca tttgcttcta aggggtgata cattatctcc tagccaaatt gatgccattt 120
ctggagtctt gcttctgggt agagtaatga ctatggcttt tccttggtat ttataagata 180
aactagcttg gttttctata tacttgggat agtaattagt aaacataatt atgattatga 240
aattccattt ctcatatgt tgatgatgaa atgcaatgat ttcgttgagt tagttattga 300
ctcttgaaca tgttctggta ggataaagat ttcatgccct cttgagtgcg gtgctcctac 360
atctgatgct ggccatgctt ttggaatggt ggttggtatt agtctcatta gttgaagta 419

<210> 36205
<211> 416
<212> DNA
<213> Glycine max

<400> 36205
tgaatctgaa gctgaactat cgggtctgaa aatcaatttt gctaagagta gattcggagc 60
tttcaggatg tctgatcaat ggaagcatga tgcagcaaag tacttgaact gcagctgctt 120
aactcttctt tttgtgtatc ttggcatacc tataggggct attaattgaa caaatgggtg 180
agctgtggac cagagttttg aattccaaat atggtggatg gaggaacctt gaagaaacag 240
gaaattcagc aaaacaatgt gtttgggtgga gggatgtaaa acaagctttc aatcaatctc 300
aacagggact ggttattcaa aataacatga ggtggaagat gggggatgga gagaaagtta 360
cattctggac agataagtgg attaatacaag aggagtcgct agcagatagg tacccc 416

<210> 36206
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36206

nngtctcaag tctgtgtgtg aatgatgtgc gatcctaaat tagtgaaatt aagaaggaag 60
aattagtgcc tagaanaaat gccactcacc aattcttaac ctcggttttg aagatctcct 120
gggtgaaagg gaagtgggaa tttcttttaa ggtccagaag accctcttc acttcaaaaa 180
gggtcttgca catgattgat taggtatgtc ttccctgact atgttttcat gtggtctaca 240

catgctagca ttgcaagaat ttcaaaggca tactagaatg gttttctagt cggctaagga 300
 ggttcttttag ctctattcca gagacctngg tggggctatc tctttttggg ggaacagatg 360
 atggattatg aagatcttct gatactcatt acgaataaga atattttaga aact 414

<210> 36207
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36207

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 gccccacatt atttccatga cacaaatgca aaaaatgatg atttggaac tttatgcaaa 120
 actggtcatg catgcaccta tgcggacact caaatgtcaa atttttatgg tcatgtgatg 180
 ctagggctca ggattcattt cctctatttt aatcaaccca atgtttccaa aatatgttct 240
 tttatcaatt tgtgcattca tccgagtcca tttcgggcgt ctgggaaaat cttcacagca 300
 ttcacccttc aggtgtatac acattttttt caaaaactag ttatgatcag tgaatttttc 360
 caaagaanag ttggaagtca tctcttttca aaagcatggt ggtttttcag tntgaaaact 420
 tatttttctt ttttctcctt cttctttt 448

<210> 36208
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36208

cttcattatt aagcttctaa cacacttcag acatcttctt aaagatccca accgtcagat 60
 cttggaaaat tggtttgcca aagtggagac ccaatttaaa aaagaaccca ccggttatgg 120
 aggggttgcc agtggtttta cccgaggaac ttcattgtac tttctctaaa agcctcatta 180
 gaagcctcct tagaaccttc tctagaagct tctcgtggct tctttgagaa gctttctcaa 240
 gaagctcttt gagaagctac atccttatct atccaccct ctattaacta aattaacttc 300
 ctttaaaata attacggatg aaaataacgc aacanataat caaacatcaa acataattac 360
 taataatata tagatatata tatcagggtg ttacatggag catctcgata tgttacggga 420

<210> 36209
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 36209

tctagtctca attgtgaggg tctcgatata ttacccggtt cattcggaca tccaagtaaa 60
 aagttattgt tggctgaatt tcctatgagc ttcggttttc aattttagc gtctcgatat 120
 attacaggac tcaaccggac atccgtgtat aaagttattg tcatttcaat tttctcagag 180
 cttcggatct aaattttgag cgtctcgata tatgacggga ctcaatcaga catccgagtc 240
 aaaagttatt gtcgtttgaa tttgatacga gcttccgttt tcaatttga gcatccctcg 300
 ataaattaca acactctgtc gggcatccga gtaaaaagtt attgttggtt gaattttcta 360
 acacgtttcg ttttcaattt ggagcgtctc gatatattac gggactcaac cggacatccg 420
 tgtatacagt tat 433

<210> 36210
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36210

cacttgagga aagaggaana anatattcca atttcacgca nacgacacac cgcgagggag 60
 gggggaagag acagaaggga caacaccccc cccgagcaga acaccgcaa agaaaaaaag 120
 agaggaacgg caaccgaaga cgcaaacaga caacgcaacc agaagcgagg gggaaggacg 180
 acgaacgccg cgaaggcgga agaggccccg aagcagagga gaagncgagc gcaacgaaaa 240
 agggacacgc gagaaacgca gacggcgcg c aaacgaaaa acaacgaaca cggagcgaca 300
 caaaaaaac ggcgacagg cgcgcaacac cggaggacgg cgccgaacga ggacgagagc 360
 acagccagcc agcacggacg caagagacac ggaacgagga gacacggagc gaacagaaca 420
 cc 422

<210> 36211
 <211> 438

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36211

 cgcggaagaa tgacacgata gtttcttccg gagagtgggt ggggggctna annccncaca 60
 nccggcgggg acattatagc acaaaatgat catttcgaaa ctttatgtca cactggacat 120
 gcatgcaccc atgcctacac tccgatgtct aatcttatag gtcatgcgac gcaatgcctc 180
 acgattcaca gccccattt aaaccaaccc catgttatca aaatctgttc ttatatcaat 240
 ttgtgccttt atcctagtag cattagggcg tccgggaaaa tctcacagca ctaaccctcc 300
 acggggtcac acactacttc catcaactac tctggaatcg cgatctttgc aaagaaacgc 360
 tcggcgtagt ctcttttcta acacacagcc gcttctctga ccgaagacac atctttcact 420
 ctccccact ttactcat 438

<210> 36212
 <211> 474
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36212

 agcttctaaa cnttgacaag aatgaagctc tgataccact tgtagacaa gtggcctcag 60
 atatcttaag aagggggggg ttgaattaag atattcgaaa cttntcttc taattaaana 120
 tctatcttac tttntactta agttatgaat tcccttanag acaatcttct tanatattaa 180
 ttcanatgaa gcaacttgaa tatgaatata aagcaataat aaataaagga gattaaggga 240
 agagaaaatg caaactcagt tntatactgg gtcggccaca cccttggtcc tacgtccagt 300
 cccaagcaa cccgcttgag agttccacta acttggaat tcctntaca agttctaaac 360
 acacaaggac aacccttcct ttgtggtaga gattctnaca acaagagact cacagtctct 420
 taatccctta gagaatgaga agaagaagag gaacanatct ctcttgaaag agat 474

<210> 36213
 <211> 441
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

[illegible]

<210>	36214
<211>	459
<212>	DNA
<213>	Glycine max

ttctctttga	gtggacattt	ggatatggat	atatggatat	ggggtggtgc	cattctaagc	60
ccctatat	tttctaggtc	cttatggctt	cttcttgtag	gattaaaaga	agtgttttta	120
aggtcggtac	ctttcttcag	tgcataaacc	tctattttat	tggattacaa	gcatgatcat	180
aatcgataca	caagtgtttg	tagctggtag	agaagttttt	tgtatcgatt	taatctatta	240
caagctaatt	gtaatcgatt	acatagttcg	gntgagacaa	tgggtggggt	tcaggagtct	300
gctntaatcg	attatcagat	gatcatnnat	cgatactttg	ctcttttaaag	tgtcccagaa	360
gtgatcaata	acacttttat	cgattganat	gattatatan	tcgatcactt	ctttttgaat	420
atcgattaca	ttgggatatt	aaatcantat	agggtggtn			459

<210>	36215
<211>	483
<212>	DNA
<213>	Glycine max

acattcatag aaactcaagc ttctacttat gtttgtgagc ttcatgtaat tacaactgca 60
atattcaagt ggcaccacta ctttttgggt catcctttca tcacctgac tgatcaccaa 120

agcttgaagg acttaatgac ccaagtcatt caaacaccgg aacaacaagt ctatctttca 180
aagctactcg ggtatgatta taccattcaa tataaatcag ggtcttccaa tatgggttgca 240
aatgctttat taaggatacc ggcaacaccg accttgtaac tattactctc catccccaat 300
tctcttttta tggaacaatt tcgtcaagca tgtcaggcga attcctcata tcaggaactt 360
ttccaccaga tacatctgca ccccgaaagct caccacagct tcactattaa ataggacctc 420
cttttcttca atgataagaa ttggcttctt tccagccatg atttcactaa tttactcatg 480
gac 483

<210> 36216
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36216

agcttgagca cctccttctt tacctcttcc ttcattgttg ggttcagcct tctctgaagt 60
tgtcggactg gcctgtagtc ttcttccatc attatcttgt gcatgcagta agcagggcta 120
atacctttaa gatccgatat atgccaccca attgcttctt tgtgtttctt cagaatttct 180
actaacttgt tttcttcatc ggatgtgagt gtattgctga tcaccataag cttactctca 240
tcttcttcta ngaacacatg cttcagatgg gtgggaaata tcttcaattc taccttcttc 300
ttcttagatg gagtcttgct ctttagttcc tcanaactgg cctcctctc anggatgtta 360
tcttgtcgat ccaagtcttc taagcaagcc ttgagatctt cttcttcttc attgggtaag 420
caatctatcg cattcaccat 440

<210> 36217
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36217

tcagcacttc ttaggggttt cagggtcttc catcagctct gtattaatct gccatatact 60
cagccggtat taggcctcat gagctttctc atattcagct gcttactgga ttagcttgg 120
gtggcttccc ttttagatac ttgggtgttc cccttttctc atctagatta aatgtatctc 180

actatgctcc cttgctttcc aagattactg gcctgattca gggatggagc aggaagtctt 240
 tatcttatgc aggtaagcta gagttgatca gagcagttat tcaaggaatt gtgaatttct 300
 ggatggggat ttttcctttg cctcaatctg ttctggaccg gatcaaggct tcatgccgta 360
 attntctgtg gggcaaagcg gatattggca aanacaagcc cttgggttgct tggtcagtag 420
 tttgttctcc gaaaa 435

<210> 36218
 <211> 560
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36218

acgggggnaga tgcctgtcna ctcgcatgnt ctngangatc ttnaanagac cagcctgcat 60
 gcatgctagc tcattgtaac tcgacattaa acatcattat tgtttactaa gatgagactn 120
 cgaattgaga cgtgtaatgt gagtggttggg gcctattata ttcacaatac taattcctca 180
 aatttaaaaa atgatattac ttgtcgactt aagttatggt attatcgcta aacatctcaa 240
 ttacaatgtg tgagattaat cgaatgtgat ctcgtacttg tgatgtgcaa tatataatca 300
 catcttaaca attaagacac aattgaattg attaaatgcg aacatcagaa caaactacac 360
 taatcatcct tgagattctt gaaactacca tttttatcgg ctctctatct ctaactaatc 420
 ttgcttaatt gtgtgaaaaa tattacacgg agataaagct gctattgatg ttaaaaaata 480
 tgacgagtta tgtaatctcc aatgttttac aaatattagt gcaatcaagt aaaataaagt 540
 tgcaaattat tatcaatccn 560

<210> 36219
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 36219

taaagataaa ctaagaataa tgataaatat atgattagat attcgatcag tattattagc 60
 ctagctaadc agtttgattt tgatagaata tattatcaga atataagata agatattcta 120
 tcattattct tagtttatct ttaagcttgt aatcctttat ataagctaata gatgcttaac 180

gaaaggggag agaaaaatat tttttccctc atcccttgag ctaggttttg gggttgagtt 240
 aggtctctca cattatacgt tagagcctta gcgcctttct ttggctttcg cacataggcc 300
 ctagegccat tcagccccctt tctttttctt ctccatcctc atgtctcact caaactctat 360
 ctttcacact gcttttggtg tctccaacat caataatcat atcccaatca ttcttgagat 420
 gaaaaatatc caatacgtga catggac 447

<210> 36220
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 36220

actttggcat atacaatgac tccagtttca accacattga ggctgctgtc ttttctcttg 60
 caacttctct taaagcttta tctccaaaga tataatgaat gcacttctgg ctttatcaat 120
 catctctgat ttctcctttg agcttagaga ttcagacata ctttcttctc ctttaagagc 180
 ttctgcacaa ccatgatgaa tcaagaatgc tttcatcgtg attctccata acccaacagc 240
 attttccctt gagaactctc tatatcgtag tatgtgtccc atctttcttg atctgacctt 300
 tcccacaacg acgccacttg tgggtctagta t 331

<210> 36221
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36221

tcgacataat ctacaagctt cgtatggtct gaaacaggta taatggcatg gtataaggaa 60
 attgacggtt atcttctaaa aagaagggtt taagaagagt gaaaatgaag tcactttgta 120
 tgtgaagtga taaaaaatg aagtgcaact cattgtttct ttatatgttg atgatttatt 180
 ttttatatat agggatatcaa attccttaaa ccaaatcaag aatgatatat atgaagaaat 240
 ttgaaattat agatttggca aaaatgaaat ttggaatgga gatctcacta ctagaaaatt 300
 ggcgttttac gacacagaca ctacgacgat tattgnggaa cgccttana aagatgtgcg 360
 gtggcttttt tgtaattatt tgaacaatat taggatttta cgatattaaa tttaagacgg 420
 ttattaaa 428

<210> 36222
 <211> 308
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36222

 atctgctccc actccatgag ggatgatcaa attgagttgt gtcgctgttc ttcggtgttg 60
 tcggccattc agagcgttgc agagaaagag agaaggggtg gatctacggt ctgacagagg 120
 aataattgtc agagagagag ggagaaagca ttgcggacaa acaagagtga ataggcagac 180
 ggaagtgaag aattagtgcc acgttggata gtccacgtga cactaanact accaacaatg 240
 cacctcatta atggtgttac ttacaaaatt aacagaatga ttatattgcc aaacttatgc 300
 aatgatta 308

<210> 36223
 <211> 427
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36223

 tgtcatactt tgtccaanaa agagaaaatc agtttttgcc tgtgtctgcg ccgggttaaa 60
 gtctacaag gatactcttc aaatattaag agccttgtgc agttgaagaa gcttaaccta 120
 gtgggggttaa agtctcatga ttgtcacatg ttgatgcaac aattgttagc cgtggccata 180
 cgagacattt tgcctaacia agtcagggtta gccataactc gcctgtgctt tttcttcaat 240
 gccatgtgta gcaaagtcct tgatcctgtc aagtttgatg acctggaaaa caaggctaca 300
 attatactgt gccagttgga gatgtatctt cctcctgctt tctttgacat catggtccac 360
 ttaattgttt aactggtcag agaaatcaaa tgttgtgggc ctgtatatct gtgctagatg 420
 taccgg 427

<210> 36224
 <211> 454
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<210>	36225
<211>	423
<212>	DNA
<213>	Glycine max

tgtagcagcg gatttctttc ttctcttcac attcttatga attctcagta gtgtccagat	60
tctcattttt cggttactca acgtgcgttc acataaatgc accatgcaag tggttgtgaa	120
cggctctcag tattttataat ggcacaccaa tgctttcatg ccaattgcaa aatcatggaa	180
atatTTTTTT taaatatggt tggctctcta aaatttgaaa aatatatggt aacctctata	240
aaagtaaaac atatttttgc tgattcttat ttgtaacttt gttagacaat tttctattat	300
attgactaac acatttaggt attttctctc tctacatcct caaacacatt cacatgatat	360
caaaattcat cattgtttca ttttttctct aatctcatga aaaagtgcga aaaatttaac	420
tat	423

<210>	36226
<211>	216
<212>	DNA
<213>	Glycine max

tatgccgtaa caaaacctaa ctactttgga gctactccct gattaaatgc tttgatgttt 60
gaacttattt gaagtttggg aagtatcgac taagcataga atctggacac agtcactact 120

ccacagttgg gcgtttgctt gcaattgaca ctggtggcct ttgtacctca gaggaagcat 180
 aaaatggatg agcgttcata agaaacaaat tgtctt 216

<210> 36227
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 36227

tcattgagaa gcaagtgtta caccctcca atagctaagc tcaccctat gccaaaatac 60
 atgaaggaag aaagcttcct tgagaagctt tcttggaag caagtgttac accctccaa 120
 tagctaagct tagcccatg ggaacacatg cccctccaat agctaagctc ccccccccc 180
 gccccccaca ccaaaataca taaaaataca aaaaaaaaaa tcctactaca aagactacta 240
 ataatgcctt aaaatacaag gctaaaaccc tatactacta gggtagcctt aacttgtacc 300
 cttaatttgt agggtagcctt acaaacctaa aatggccaaa atacaaggcc caaagaagg 360
 aaaatctatt ctaatatcta caaagaaaag tgggttcata cttaacctat gggcccaaaa 420
 tctaccc 427

<210> 36228
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36228

aaaccatgga aggcaaaatt ggattggatt atggcagata taaaattagt taaacaaacc 60
 tgccaattag gggttntgcg gatttttgca aattcctccc ttgtttctgg atcaaggcca 120
 tacttgacta taggatcaga tatttgctga ccttcattgt cagcaaagac aaattttgaa 180
 gtcaatgaag acttaaatng cctccatctt gctgcaactg ttgacatcac cttctttttt 240
 gcattctcac cttcagggat atcaaatntg cgctgcataa canaagggtg tatgtaacag 300
 taggtaaagt aatcctttan aagtaactta acaacaaaat caagaatgga agtgtattta 360
 gaatgactta ccanaatatc tttccatatt aagctcttta gatcgtcngn gacaacat 418

<210> 36229
 <211> 446

<212> DNA
 <213> Glycine max
 <400> 36229
 taaccaattc aggataaata ggcaattgta atgacataaa atgattatga cctaagttct 60
 gaaaggcttg aatgcaatca aaggtttcat cagaaaagaa ttccatatca ataaacttag 120
 ggtcgataat ggaacgagat gagaaaagat tggagtaccg tttctgctgt tcgtcggaag 180
 aaaacaatgg ggaagaggac aatgaggatg gaattggtgc tgtggatgcg ctagtggctc 240
 cggaacgatg agcacttgaa gccgaagcgg aggcggaaga accctttcgt ttctttgacg 300
 attctgccat ttgaaggagt ctttgcagat ttcaatcggg gaaatcaaaa gaaaaatgaa 360
 aaagaagaag attgcaattt acgggagttg atttgatgaa gaaattagta agatacgaag 420
 gtttggaggt ttgggaatgg aggaac 446

<210> 36230
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36230
 caagcttggt ccattttcct gactcaccat anaccttgac ccaggggtgag aatgccaatc 60
 cttaccctcg gaagcanaca ataggagaga gagagagaga gatgagaagg agaatttccg 120
 atcaaaggat aaaggagaag gataatttcc aatcaaagga taaaggaaag gaaattccca 180
 atcaaagagt gggggaaagc acaaagataa gaatgagaat tcccaatcaa agaatgggag 240
 agagaacaaa agagagatgt aaaaaagaag atatctcctg gtcagagata ccagatgata 300
 tgtgccgaga ggtccttgga ccagacaata tctgaacaat acagaattgt caccaaatga 360
 a 361

<210> 36231
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36231
 ntctccacta agtagcctga tgctgaaat gtcttttctg attgtgtggt cctagatgca 60

gggaagattt tctccaagaa caccctctta aggtcatccc agctgaaaac ggacctggga 120
gcaaggtagt atatccaatc ttttgtcact ccctccagag aatgaggaaa agcctttaga 180
aagatatgat cttcttggac atcaaggggc ttcattggtg aacaaaaaat atggaactcc 240
ttaagatgct tatgaggatc ttcacctgca agaccatgaa actttggcag caaatgtatt 300
actccagtct tgagaacata tgaaacaccc tcatcatgat attgaatgca caagctttca 360
taagtgaaat caggtgtagc catctcccta agagtcctct tacgagggtg aggttgagcc 420
atgttctcag tatgaaaa 438

<210> 36232
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36232

ngatcttttt gtaacgacac gcacacgcaa agggagagag aagcaaagag cagaccccc 60
acagcngcca cnccgaacna gacacatact cccctatgg gcaacagcaa gaaatgcggc 120
gcgcacaaga acgagaacca ccatccaaca gagagggact cggcagacct cgaccatcca 180
acgtctcagaa cgcgacgggc gaagtagaca ctccgacct gaaccctgat aagaccacaa 240
acagccgggg cacacagaac aaaacagtcg acacgaggca caaccacgac cgcggaacaa 300
cgtgaaaaca agccggacca aaaagcagca gcgacgaaac accgcgcggc aggaaactaa 360
aggagggacc cgcaaact agcctgatag agaccagacc agcagaagca tggcacagac 420
acgcgggaag ccccg 435

<210> 36233
<211> 314
<212> DNA
<213> Glycine max
<400> 36233

ggagtgtca gggcgagggc agagaaccag aagagactct ctcttcatga cacggtggag 60
caacacgacc gatggggcgc tttatagcgc aacatacatc ttctaaattc atcacgaaat 120
gagaccgca ataacacagc gacacccgag tgtgaagact aatattgccc tagaccatgc 180

cgaactggcg cacatatata caacagctca aatgtggcct tgtgctacat aacaccatgc 240
ctcacacatt cccgtatgaa taaccgaacg atggatgatg caatccatgc tctggtgctg 300
ccttaactga tagc 314

<210> 36234
<211> 527
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36234

nggcgttgct attcttttta gnacgncaan nnacncagac acgcggagct ctnagncgac 60
cgcaggctgg cagcangtat cttattctag aagnnnnaaa cgnengagag gggcctagag 120
aaacnggcaa ccaacaccca aagccgggaa nggagnacaa cnggggggga ancganaacc 180
aacaggagaa tncanacnnc aagncggaag agacacaccg ctgcagaaag aactgagcaa 240
ncgagnacaa cagccaggca ancgacaacc aaaaaggaat cancgaaaat aactcccaag 300
agtcacaact gtgcanattt tatttgaatg gtcacagtg gcctataaat caattaccag 360
acatgaaaat tcaaatatca agtctgaaga gtcacaactc tttagagact atttgtgtaa 420
tcgattcacc aattatgtaa tcgattacca gtacggaatt ttcgaaaata actcacaaga 480
gtcacagcta tgcaagaagt tgtgaatggc atcactgcct ataatcg 527

<210> 36235
<211> 362
<212> DNA
<213> Glycine max

<400> 36235

agtgtcggct tgtggggcca cactggaatc cgcttcaatg gttcctcttt ctagaccact 60
tcgcggggag ctggttcgta gccaatctta ggttgccctc tactagcact tctttaacgt 120
cttgagccga acgcgtgatg acttgctggg caggggecta gtacttttgc ttaccttagg 180
ctttggactt ggtcgcctgc tggtcggcca tgggtcgtag gcaacgctcc agcctttgta 240
gatgatctga ggggctttgg aggtgggtggc ggtgtgtatg ttgcccgtg cgggtcatac 300
cctagctgct gaggtgtttc gccctgcgcc tgtcttgtgg cacagtactc tctgatgaaa 360
gc 362

<210> 36236
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36236

gtcgtcttcg caagacacag acgatggcgt catgtatatg ggccatagcc ctagatcacc 60
 gctgtacaga cagagccaac aacactacaa tacagcatgc ggtggctcat gtctaagcgg 120
 aacaagaggc cacatgaaag atcatgaact catttcacat gatgcgacca tgctgacgga 180
 gcggctctgtc tcaccctgat ctggacttga gatcttcacg attgcgtcta acggacacga 240
 gacgnaaca gcgattttctc acaatataga ttctggaccc ccgctattga acgtttggtc 300
 actcacgccc cactgaagta catcaagatg ctgaaaggca tacgaatgat agatgaccta 360
 cctaattgga atcaatagac cctgggttacc aaagaactga caatgacg 408

<210> 36237
 <211> 195
 <212> DNA
 <213> Glycine max

<400> 36237

tgagctctat cacctgcact gtgctctctg atttcagaca catatcctgt ctgaccctcg 60
 cctgacgagc agcctgtctt catctacgtc actcgcccta tcgaccacca catggctggc 120
 tgcggggcac tctaattgat ttccatcaaa ccgtgccagc aatcgcggcc tgacaccaat 180
 atcttgaatg accat 195

<210> 36238
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36238

agcttctggt gtgacatctt gacttgcttc ccaatctgac attcaccaca gattctgcct 60
 ttntctatct tcagattgag aatgcctcta acagcacctt tgtcaatgat tntcttcatt 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattt tgacttcacg ttctttggag 180

gatagacatg tggaggagta actgggttct tgaggtgtcc ataggtaaca gttgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgactnt 300
gtgaagttta cattgaatcc ttcatcacac aactgactga tgctgatcaa gtntgcagtc 360
agtccttca ccagcagtag tttgttcaga ctangaagtc catcatggac tagctntccc 420
attccagtga tctt 434

<210> 36239
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36239

ttgagccaaa atcttgactc accatagacc ttgaccagg gttataatgt caatccttac 60
cctcgaaagc aaaaaagaaa agaaggaaaa tttccaatca aagagaaagc aaaaaagaaa 120
gagggaaaat ttacaatcaa agagaaagca aaaagaaaag aaaattccca atcaaagaat 180
gggagaaagt aaaaaaggaa gaagaagaag gaaagaaatc tcttgatcaa ggatcgaaag 240
aaaacagaag aaatgtgcag aaaggtcttt ggaccggaca atatctgaac aatacagaat 300
tgtcacaaa ggaacgaaaa gaaggaaagg aaaccatgac ctanagtggc catctccctt 360
taattgccaa ccaaaatctt gtgtgctagc gactttttcg ccccgacta naccaaaaaca 420
gtaaaggaaa taatccataa aagggcataa aaaaagaa 458

<210> 36240
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36240

agcttgatg atgcttcatt ggaggaaaag aaagaggag ataaagatag aggtgggagc 60
acgaaattga aggaataana gagggagaga agtggaactt tgatgaatga gagtgatgca 120
agctccattg gagcttgat gcctangatc ttcttcatca gtggattcct ttgcttcttg 180
gaagataaat ggccgaggaa tggagaagga agagagagag gagacgccgc ttcaatgaga 240
agataagtct agaagaagct caccaccata cgaggccatg gataagagct tggaggacga 300

aagagatgaa tgaagggagg tggagagaag agcacgatat tctgtgctca gatagagctc 360
tgagatctaa agttaatatt canatgatca 390

<210> 36241
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36241

cttcaccttt ggtcctcctc atagttgctg catgatataa catgctctat tttcatctcc 60
cactccaagt aggcctccag atcattcttt cctttaaagg gaggaatggt gagtttaata 120
ccatcaattc ggctttgtct gggaacacca tcattccctc ttctcctcct ttcttcttca 180
ttatgatctc tgttctccat ttgatccaac ctctcatgga gcgcatcatc tcgttggttc 240
attaacctct ccaaagtgtg catcaaactc tgcatttgga attgtgaaag cccccctcca 300
tcattaggat ttgtttctgc catctcaaac aaacaaatca aatgtaacaa gataattata 360
tgtgttgtn gaatacctca cccactcaag tgtatcacat aattatgact tgtctcttat 420
gaaacactct tgccttctac cactcta 447

<210> 36242
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36242

cggcgctttt attttttagn ctagccaatn ncacacggac ccgggatcct ctgagncgac 60
ctgcggcang caagcttatt tttttaanaa aaagcnnnac accaaggggg ggggagagga 120
gaanacaaca ccccccccc agaacggaca ccnnggccca ccaccaagcc agaaacaana 180
ggagnagcag gcaagcgaaa ccagaggaag ccacnncng cngaaaaagc cnggcgaaac 240
ngcaccanaa caangcgagg aggaancact cgaancggng ccganaaaaa aagccacaaa 300
gccgcaagaa ggaacgcngc acnaacctcg gagggggcgn acacgacagc gcagccgcca 360
cccaaggag ccaaacgaac acgncgcca aaggggggaa cagacggcaa ggcaacaacg 420
cgggagcgaa aacaccaaag cgacaaaccc gggaccagaa gcaagggcga cccaccaga 480

<210> 36243
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36243

ttagatactc agcttgatgt cttcaaacac aatatgtaga cctaaatgaa gatatacttg 60
 cattgnttat gtaattgtat gcattatgcg atataatttg ttgtaaccga ttactaacca 120
 attaataatta tcaagtactc gtttggttaa gcaaggaaat tgttggtcca acaaaaatca 180
 ttacacgtg cagcatacat cattgtcata attgacaaca cataatgaca tgcattgcgt 240
 ttacagtttg agcgcgacaa cacattggct gacttgacta cacattggcg acaatacatt 300
 ggttgacttg actacacatt tacgcgtgct tatttttatg taaacaaagt taaacaaatg 360
 ctcggtcaca accatctata tatatggcag actacgtac taaatcacat attatctagc 420
 tttcaaataa tc 432

<210> 36244
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36244

acccatataa tngctaagct caccgctgc caaaatacat gaaaatataa aaaaagtacc 60
 tactacaaag actacttata atgcctgat atacaaggct aanatcctat actactagaa 120
 tggccaaaat acaatgccca taagaaagac naacctattc taatgtttac aaagaaaagt 180
 ggaccaacc ttggcccatg ggctcagaaa tctatcctga ggttcatgaa gacccaggg 240
 ctttctttag caactctagc ccaatcctcc tggagtcttc tatccaatac cgcttggggg 300
 taggatngca tcatcccctc caccttgnnn aaggatttac ctcanatccc gaggttttca 360
 tactctcaat cttcctcac acct 384

<210> 36245
 <211> 429

<212> DNA
 <213> Glycine max
 <400> 36245
 ttgcatgttt agaaagttct aaagagagaa aggtccatgt ttcattgagt tctaagagat 60
 tttgctatgt gaagatctgc agagacgaga gctcgaagcg gaagctgttc tgagagcttg 120
 agatgagttt gtgagtgatt gtgagatcct agaggtgaag gagacatcct caccacttgt 180
 atttttgcaa tctttcatct tattcttctc tatgttgtaa aggaggtttc cagactatgg 240
 aaagctaaat cctctgttgg atcttcctta taggtacttg atgtaaatat atttctatct 300
 atgtaatgat gttttgtgca ttctctgtgc tatctgcttt tcattccagt atgcctttac 360
 cttgatcacg tagatgcatg ctttggttagg gtcattcaac agggaaactg gtttgattct 420
 aaagtcctt 429

<210> 36246
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36246
 agctttgatt aaaacaatta tctaatacatt acaatgcatt caaattatac aatagctcat 60
 tcaaatacatt cgtagacact catttcatac aaaacaatcc actgcatatc attttcaacc 120
 aattcactgt tcaagcaagc tttttgtaca agcaatcaac tcaaagtact gaaatttaaa 180
 gaactaaaac atanacacta naattttaa atgaatgaac caatcataaa ataaatgaaa 240
 ataactaana tggtcanaan gcacaaatct aaatgtcctg ctctgtggt tgctcatgtg 300
 catgctcatt gagatccaac acctgagtag ctggtgaatc ctgagggata ggctgctcta 360
 gctcagatgc tagtgcanat ggtatgacat catcangtat gggactgag gatggctctg 420
 ggatctggtc tctggaagtc 440

<210> 36247
 <211> 425
 <212> DNA
 <213> Glycine max
 <400> 36247

tgaataccct gtatctaacc tttattcaat cttgttcctt ttagaccaag gatttcagta 60
acctcattgg agaagaaacc taacttccca atgggtcagt gttcaatggt agtatgatca 120
gttaagcctg ttcctcgata acttaaatac atctccagct caaattgatg aaaaaccaag 180
catgacaaaag accatagaca ttaagggggg aaaacagaaa aggctgagaa gttaaact 240
actgcaaaa agagcattgg cagttacagg tatgggatgg atagtccaaa caatagcaga 300
ctatagtata attggctttt ctaactagct caatctctct cattttgaag atattaagct 360
agggaattca atacaaaaa tatttcagtg tccagtgaat agacattttc tcttaacaca 420
tcatg 425

<210> 36248
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36248

agttatcata acttcggana canaactnnn gggcgctgcg agtggaaatn ctatagagaa 60
caaacgcgtg ctatcttttc ttccttctct ctcttgccaa aagattaaaa tgactaaccg 120
cctgagaatt ctgttgattc ttccttctcc ctcttgccag aagaattcca ggactaaccg 180
tctgagaatt cttttgattc ttccttctcc ctttgaacaa aagatttcaa aggactaacc 240
gcctgagata tcttttggtg ccattacaa agattcaagg gactaaccgc ctaagaattc 300
tttgtcttaa cacattggag cgtacatcct ttgctgtaca agtagagcgt acatctactt 360
gngttgtaat acagagaata agagacggta catctcttgt ggtcagttca agggagtgc 420
atccactggg ttcaagagac 440

<210> 36249
<211> 421
<212> DNA
<213> Glycine max

<400> 36249

gtcatcaaga agtactacgc ccacaggcag gcgcatggcg taacaccaca acagcctggg 60
gatggccagc aacatgcaac aaatgcaccg tcgccacctc cagagcccct cagctcatcc 120
ataaaaaggt tagagtattg cctacgacac atggccgacc aataggcgac caagtccaaa 180

gccaaaggta agcaaagtac taggtccgtg accgacaagt catcaggcgt ccagctcaag 240
 acgttaaaga agcgctacta ggaggcaacc ttgtaacttt taaatttctg cttgttattt 300
 gatcaccttt tgtttctcaa gtcatagtag gacacaccta gttgctcatg atcctaggaa 360
 tttaaataaa acgagcacaa gctcgggagg tagtcatacc tcacaaaata tatatatgta 420
 t 421

<210> 36250
 <211> 526
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36250

aaanattgt aggtacgtan ctcggggcgaa ttcagctcgn accccgagga tctntagaag 60
 cgaactggca gcgtgccagc tcttctatan tattctatat gtgcccgaa nggcccacga 120
 tgnggttcga gcgcatttat tctcggtttg gttacctttt atacccctc ttgacgtgcc 180
 taagccggtt tacctaagac gggtctcgcc taacctaaaa ataaaataaa tttccacccg 240
 accgttgga tggttattcc attacctccg gttaaattaa attccaaccg tccggcgggg 300
 ccggaccacc gttggaatta aaaaaagaag gtgaaaatta tattattatt caaaaatatt 360
 ctttttagta aattaaagcg gaaaatcaat cgggacgttt ctcttttggg attctcattc 420
 ttaatcgaga tgataataac taggtgagac tanggctaaa tcaactcgta gtcagctcgt 480
 cacaaaaatt gctnttgagg ttgcatttca tttctactaa gtaaag 526

<210> 36251
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 36251

ctggcattgg aattgcgaaa gcccactcc atcattagga ttatttcctg acatctcaaa 60
 caaaciaaatc aaacgtaaca tgacaattat agttgctgtt tgaatactc acccactcaa 120
 gtgtatcaca caattatggc ttttctctaa tgaaacactc ttgcctttta ccaactctaat 180
 tccccttgag ttcttaggca attcaagaga ttatggccac aacaaagaac aattcaccaa 240

tatgtgtaag gtaaggctag acaaggaaaa ggtaaccaa gaaaaaggct aacaatgttt 300
 ttaggcacaa atgaaggaaa caaaattcag aatttaggaa ttcaagtaac aatccttcat 360
 gcaaccaata tattacctta aagagttttt ttttttaagt tcttcaagca tgaaccattc 420
 agcccaattt tttttttttt ttaat 445

<210> 36252
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36252

ctttccttcc ttctctctct tgccaaaaga taaaaatgac taaccgctg agatttcttt 60
 tgattcttcc ttctccctct tgccagaaga attcanagga ctaaccgtct gagaattctt 120
 ttgattcttc ctcttccctt tgaacaaaag atttcaaagg actaaccgcc tgagatatct 180
 tttgtttccc attacaaaga ttcaaggac taaccgccta agaattctnt gtcttaacac 240
 attggagcgt acatcctttg cggtagaagt agagcgtaca tctacttgng ttgtaataca 300
 gagaataaga gagggtagat ctcttggtga tcagttcaag tggagtgtac atccact 357

<210> 36253
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36253

ntcatcaaga agtactacgn cccaggcag ggcagggcg taatacctca acagcctgng 60
 gatggccagc aacaggcaac aaatgcaccg tcgccacctc cagagccctc cagctcatcc 120
 ataaaaaggt tagagtattg cctacgacac atggccgacc aataggcgac caagtccaaa 180
 gccaaaggta agcaaagtac taggtccgtg accgacaagt catcaggcgt ccagctcaag 240
 acgttaaaga agcgctacta ggaggcaacc ttgtaacttt taaatttctg cttgttattt 300
 gatcaccttt tgtttctcaa gtcatagtag gacacacctc gttgctcatg atcctaggaa 360
 tttaaataaa acgagcacia gtcggggagg tagtcatacc tcacaaaata tatatatgta 420
 tgtttaggta gaaagatacc ttcgatatg 449

<210> 36254
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36254

ggctggcatt ttttgtacat ttaaaaaatt ggattccagg cacataaaga agaatatgag 60
aaggtgaaat caattcgaaa ataagagaca ttaaaaaatg gatttcaaga acataaacia 120
taatcaatat gagaacatga aatcagttga ctctacaacc cctcttttca atttgcaaca 180
cttccaaaat ctctatttt gattatcagt cgtgtttgca atgtaaaggc taaggggtggg 240
taagcgggct ggcccacccc atgtaaggcc cgcccacata agcctgcatt ggcagcggac 300
tgggccaatc cgcccccgct tcttacacgg accanataaa ttggccatcc ctgccccgcy 360
gacccccgca gtcanaacggg ccggtccgcy ggcctagctn tanagaatnt caantttaat 420
aaaaatacaa tataatcaaa ttanattcaa taaaaat 457

<210> 36255
<211> 439
<212> DNA
<213> Glycine max

<400> 36255

taagaggcca tggagattga gatggagaca gacacgtgtg gtttatagat ttcacctgta 60
ttagttttct caaacattat ctttgcccc aattacatga ttagatagcc ttgtgacaat 120
caaggaggta ccattacata aaccttcaat ttgatctaaa ttccttaaaa gcatcattgg 180
tgtgccaatc ttcaatttga ttttatgatt tggaaggccg atgttccaag agaatttgaa 240
aattcaaggg ttaaagcctc gaatatttgg tcttcatttg attataaatt gtcaaaagaa 300
tctaagctta gatattgttt ttcaactata acataattgt aaacaattta actaatttga 360
ttgtttcaaa tgaaagatat ttgtgtaact ttttcaaag gtagatgaga ttacatcgat 420
ttaagataa tacatattc 439

<210> 36256
<211> 179
<212> DNA
<213> Glycine max

[illegible]

<210>	36257
<211>	441
<212>	DNA
<213>	Glycine max

tgaccaatcc	cgaccaacc	cggtcgtagt	cggncagtga	gcacccctgtg	atgtacctaa	60
gcaggcgagc	tcgtggcagt	ctacagataa	aatgaaaaca	agaccacaaa	gcaaggaggc	120
ttgtggtggc	tggccagctg	tgaattttgt	gtaatatgtg	agatatggcc	tctggtaatc	180
gattaccaag	ggtgggtaat	cgattacaag	gcttagaaat	gaatacagga	ggctaagatg	240
gtctctggta	atcgattacc	aagggatgta	atcgattacc	aggcttgata	acgagggtcag	300
gaagctaaag	aagcctctgg	taatcgatta	ccaagtgggtg	taatcgatta	ccaagcttca	360
aaagggaaact	gggagttgat	ggaagcctct	ggtaatcgat	taccacactg	tgtaatcgac	420
tactcatagg	aatgtgtcac	t				441

<210>	36258
<211>	472
<212>	DNA
<213>	Glycine max

aagcttncgt	attggttagn	attanntacc	canaccacca	aatatttggt	cgtggttagga	60
caccagaaag	caataacgtt	gccaatgtt	gccctgnaag	acagaagaac	atttagtagg	120
ttaccgcaaa	ttattaatgc	ananatattt	gaacattttg	ttcaacattc	aaatctcacg	180
ttatttgatt	gcatataaaa	gctoctaagt	acactgtttc	gttgngattc	cttgacccat	240
gtttqaatgt	aatgttgaca	ttcttggcat	ctatcctttg	agtgggtgata	gactgangtc	300

<212> DNA
<213> Glycine max

<400> 36261

taaatattca atttcgagcg tctcgatata ttacgagtct cattcaaaca tccgagaaaa 60
aagttattgt cgtttgaatt tgctcagagg ttcaacattc aatttcgagc gtctcgttat 120
attacaggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctcagag 180
cttcaacatt caatttcgag cgtctcgata tatgacagga cgcaatcaga catccgtgta 240
aaaagttatt gtcgtttgaa ttagctcaga ggttctacat tcaatttcga gcgtctcatt 300
atattacagg actcaatgag acatctgact aaaacgttat tgcgtttga attggctcag 360
agcttcaaca ttcaatttcg agcgtctcga tatatgacat gactcaatca gacatccgag 420
taataagtta ttgtcgtttg aattggctca gaggttcaac attcaa 466

<210> 36262
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36262

agctnagatt gctctattca atggagtnga caagaatata ttcagactga tcaacacttg 60
cacagtggcc aaggatgctg gggagatcct gaaaaccact catgaaggaa cctccaaggt 120
aaagatgtcc agactgcaac tattggctac aaaattcgaa aatctgaaga tgaaggagga 180
agaatgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcaactgcctt 240
gngagagaag atgacagatg aaaagctggg gagaaagatc ctgagatcct tgcctaagag 300
atttgacatg anagtcactg caatagagga ggcccaagac atttgcaaca tgagagtgga 360
tgaactcatt ggttcccttc aaacctttga gctaggactc tcggata 407

<210> 36263
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36263

tctcnnctta tttgctataa atagggggag aagtgaagaa gtataggttc agcccccttg 60

gcacttctct ctctctcgaa attgctcaag aaaattatth cegtgaagaa aatccaagcc 120
 gaggcgcttc cgtaacgttt ccatgagtaa ttacgtgaag attctcgacc gttcttcaag 180
 attcatcggt cgttcttctgt tttcttcagt cttcaacggg taagtacctc aaaccaaact 240
 tttcaattta ttctatgtac cegtgggtgt ccacattatg tttcgtgtat ttttattctt 300
 gttttcattt gttttttata cacccttttg acgtgcttaa gccatttatt taattcattt 360
 ctcgcttaat ctaaaaataa aataaattcc caccgatcat ttaaattgta tcatccgtta 420
 attccgaccg ttcggccgtg ccgtaaccac gttggaaatc aa 462

<210> 36264
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36264

agcttgaatg gacacctaca nttcctagnc ctagggtggc ttataacgaa ttctttgttc 60
 ctacacctat actcgccact cttttcacac ccaattaaca caaacgaagt ctttctctta 120
 ctacatgtgt atgtgtctga cttacaatc accgccacaa atccattttc ataagcaacg 180
 gatcaagccc atcgcagaac atcctcttgg ctgtcaaaca cctacaaacc aatccacata 240
 atttcagctt cctacgacat attcattcta ttaaataact cacagtcattg aacattatta 300
 cctgagaagt attgaacaca tctgaacaat caacatgtgg ttcaattaca ccacattctt 360
 cttcattgtc ataataccata tccattgttg catgcattat accttcatat atccactgat 420
 cctggtctat cttacaata aata 444

<210> 36265
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36265

nttgcaagtt ggaatcattt atcctatctc cgacttccaa ttggtgagtc cegtccaggt 60
 agttacgaag aaaaccggcc tcgccgtgat aaaatatgag aaggatgagt tgattcctac 120
 tcgggtgtag aacagttgga gagtatgcaa cgactatagg aggctgaacc aggttaccaa 180

aaaggaccat tttccactgt cattcattga ccagatgctt gaaagcctgg caggtaaadc 240
tcactactgt ttccttgatg gtttttctgg ttatatgcaa atcactattg cttctgagga 300
tcaggaaaag accacattca ccttccccctt cggcactttt gcctatagga ggatgccttt 360
cgacttgtgc aatgcccttg gtaccttcca gcagtgcagc attatgtatt ttagtgattt 420
tttagaaaat tgcatagagg tgttcatgga tgatttcact a 461

<210> 36266
<211> 661
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36266

aggggtatag ttcngatgca tagtagctac accgcgaatt cgagctcggn accccggggg 60
atcctctang agtcgaccct gcatggccat gcanagcctt cnattttttt agangcaatn 120
nctnngggnn ggagcaagcc tccgttctgt ctcttgagca ttaattcncc taaagtagga 180
tgcgtagccc ctcccccttac tcctctntct tcctgttgca cctcgcgcat gcattctcac 240
atgngatgaa aaaaaatcac gcaattgaag cgactctcat gntgaagcat canaagaatc 300
ccagccctcn cattagatag cctcctacaa gtagagcctt cccatcatag tgcgtactca 360
gaagcacaga gaagccttca gagtagaggt gcattcttta nnacactcac attagatatt 420
ttatatcttt tacccttcta cttcccagtt gctaggtact atcagttatc tctcccatag 480
tatctccctc accatgtact tgttctacaa tgcttgtaa ccatgaattc tcttagaagt 540
attccaccct atntaaagct tgctattaaa naggctagac ttcgathact ataatggtcc 600
aaagtatctt gctcttgtaa cttgaacaca tgaatagtgt agagtttacg ttcctttgac 660
g 661

<210> 36267
<211> 428
<212> DNA
<213> Glycine max
<400> 36267

tctcaaggag gtgagcttag ttatgagagg ggtgtgtgtc tcttatctct agcttctcaa 60

ggaagtttgc tcaaataagc ttctcaagga agtttttctca aagaagcttc tcaaggaagt 120
 tttctcaaga aagctttctca aggaagctac ctagtctata aatagaagca tgtgtaacac 180
 ttgttgtaac tttgatgaat gagagtcttg tgagacacaa ctcaaagttc aactttcttc 240
 cctttttctt ccttcaattt cgtgctcccc actctctctt tctctccctc tttcttttcc 300
 tccattgaag catcctctcc aagctttctta tccaaggctc atcttggtgg tgaagctcct 360
 tcttccatgg cttattccct agtggatggc gcctcctctc acctattctg ctttgtcttc 420
 cgctgcat 428

<210> 36268
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 36268

cctaggaaat tcataaatta ttgactgccc acacctactg tctcgtgggg ggtatgaact 60
 gcttgacaag aaacttatgg aggagaagac caagcgtgga catgaggaa atcagtttac 120
 tgaaaaccca aactcaaca tcgacctcc atccctatg gcaagacact tgaagtggaa 180
 gatcgacgc acaaagagtt atgaccaa atgacgtctgaa gcggcacaag aaattgtaga 240
 caaaattgtg agttcatgtc ttctttgggt actgtcattg ccaaataatg gttagccaac 300
 atagtcaaat 310

<210> 36269
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36269

nttgaaaga atggaggaga ggaagaaaat agaatagcac tcgtctttgc ccgctgaaat 60
 tttctggaca gagcatatgt tgaacaaaaa ctcttagaaa gatattgaga aattgggtgt 120
 tttaaattca tgccatgac acatatttat agccatttga tggctcctga agaagccatg 180
 ttaaaagttg tgacttttgg caatttcttc aaaaccagtt agttacttta aaaagttgtg 240
 acttgacaat tttttcaaaa ccagtcactt taaaagttgt gactcttgac aatttcttca 300
 aatcagtc ctggtaatcg attaccataa tgggtgtaac gattacacag tttattttat 360

caaaagttgt gactcttcat gttgagggtt gaaatccaac gctcaaaaac cattagtaat 420
ctattacaaa tat 433

<210> 36270
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36270

atctttatga tatctcaaga accgtgggtt gctgggggac tgtatgtang catangttgt 60
gaccgaacta gtataaatct tgtgtttgct ttcttcttcc tacaatctta ttttacgctg 120
tacatttttt tatttctgct ttactttagg ttaagttata gtttctgttc tttactttct 180
tataacttag tagtaaagcc taattgaatc tagtaacatt aagaaagata aaattttaat 240
tagtcaagac acgttcataa ttaattcaac cccctcttc ttaattatc tgaggccact 300
cgatccaaca tgatctnnta tttggagaan nnattatgtg ttgtatttgc aacttgcaag 360
gtactgcttt gtaaatacgt tngaanagaa tattggctac tggtaatntg atactgcct 420
ctggttaattg attacc 436

<210> 36271
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36271

gtgtctaaca catcctttnt agtttcttgc agactcagat tatctatgtt atatttacc 60
accaaattcc tgatagaagc ccatttaagg cctctacca gccccctaat gttataggac 120
aagatattca tctctgaata tatctgttcc ccatctttaa agcttcttcc ctgtcccag 180
actccatagc tgagaaagag tgtatacctt cagaatctga tacatgggtc aggcccatgg 240
actgcgcaag aaccatttgc tgggtggcct cttcgcagtc ttcaaactga tttccttctt 300
tgtaaatagt cccctcaaca acctgtaact tagtagtatt tgggccttca gaagaagcat 360
catataaacc acccataatc ttatcctcct tggagctatt agcttgttca ggttccagct 420
ca 422

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tgtcttttct	taaaganaga	ttaacaattt	ccagttnttc	tgcttgggat	aagtctggga	60
cctcaatcaa	gtctttggag	ccctgaaggc	caattatctt	taaattcaca	agattctgtg	120
acaagaaaga	tgcatcacat	tggtcagaaa	cggtgaaatt	cataatcatg	agccttaaca	180
aaaagagaaa	cctgagcata	catagaagca	caatatccaa	ggtgtggctc	atgtgaatga	240
gtttcacttg	aggctgtgca	ggactagtta	caacttacta	ctctctcatg	tatctntaca	300
agttgaatga	aaaatatagt	acgtattcat	acctg			335

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<223>      unsure at all n locations
<400>      36273
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ntgacctatg	cgnccaaaaa	aatttcagat	tgcattgact	tatctagatc	gcacaaattc	60
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aaagaaacaa	tccatattgc	accaactaaa	tcaacaatgc	agataacatc	gattgttcac	180
acgacaatga	atcattacgt	cctctattga	agtgtaagtt	atttattaaa	agctctcata	240
gaaaaaaaaatg	ggttattttaa	aaaacataaa	aaaatcacat	ttttaagggtg	tattttttcaa	300
aaaatcacaa	cgaaattgta	tttttgtatg	gtatttctag	aaactacata	acgaaaatga	360
aactttgttg	tgtaattntg	aaaaaatatc	ctacaaaaaac	ttgttntcat	tntgtttttt	420
ttcctcaacg						430

<223> unsure at all n locations

<400> 36274

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tgtgtcgtcg tagtgtttca ctgagcctan gtttcatcta agccctacat gctagttact 120
cacaccatct tcttaggttt tggatactat ggtttcgaaa gcggagaggt tttcggattt 180
gttgagcaaa tntgcgaga gttccaagga ggtagatgt tntgggtntg tatttgatgat 240
cagagaaagg atgttttagg tgtgggtcgt tgtttgatgg tgggtggtgca tggagaggtt 300
gc 302

<210> 36275

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36275

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tgctttgttt atgtaataca taacaataaa aataagcagc tttgtctatg tcatatatgt 180
aaaataaatt aataataaaa tttctattag tacctataac aagtgtggcg ttcctcatga 240
tttttataat tatgatttga tgtatagaat ttcatatata gaatgggttat gaaaataata 300
tacatggaga gaaagtaatt ttaattgaat ataattagaa taaattatta aaatattaga 360
catatatact tggtttcaaa tttattttta aaataaaata attggtatnt atatacacac 420
atgtacgtgc accagaaaca aattaatat 449

<210> 36276

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36276

caattttatt aatcctactt tgatgaatag gaagcctggg gaaaatggag agaataagaa 60
gaaaggagaa acacatgttg tgactaccat tctacatgg ctaaatttcc cattagccca 120
acaatatcaa tactcagcca atatcagtc tttcattac ccaccaccct aacagccaag 180

aatgcccaat catccataaa ggccaccnc aaatcggcca caaaatccac ccgatgcaca 240
 cccaagacca aacaccaccc ctaataccaa tcaaaacacc aaccaggga ggaattttct 300
 agaaaagaag cctatagaat tcaccccaat tccaatacca tatgctgact tactccccta 360
 tctgctcgat aatgcaat 378

<210> 36277
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36277

tatcttaaca caaaatgac atgttaatcc ctccgattta gatcaatctc atgcacactt 60
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 tacaaggaca tccaacacat tctaattgcc atacatatat atgcatttga aaagaacaca 180
 cattctcatg ctcaaggcat tgcgtcaaaa ttacaccta atcacaacct aaacatttgc 240
 tatcaciaaac tacctacaca tatttgaaac atatatacata caaactttta ttgtttcact 300
 cacatttatt tatatgcatg ttggaaagct aattacgtca tgcacacact tgcattcaaa 360
 agggaattcc atgccatcat atattcattt aggaagcgac ctcaatattc atttaggaag 420
 atactcgttc acactntgca aggaattt 448

<210> 36278
 <211> 249
 <212> DNA
 <213> Glycine max

<400> 36278

tacttgcctc atcactgagg attttatcta agaaataagt atgcaaagag gcattcattt 60
 tgttggttg catcaaataa ctttcccca aaagctatgg ttgcctcaat gtttttactt 120
 gcggaaatga atattgcaat gcaagactca ttggaatcgc aacacagtat atcaaaactc 180
 tatgtccaaa tccttctcaa ggaatatggg gatgtctctt tttagatcat accagccaag 240
 gatcaacaa 249

<210> 36279
 <211> 441

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36279

ttaggcttaa tttcaaata gtctaaaggc cgaaaattcc tacattacct atacanaaca 60
agggccgagg gagctcttaa agccnattct taaaaggccc aagataacac aaagactcta 120
taaaatgaca cctaaaataa aagtccacta atgattccac acacatgatt atgaaaaagg 180
ttcatcatat ggaccaaata caaaaagtgg tcaaattacc aaaataccca acaaaagcct 240
attctaattt tggtttacat tatgccactt taattcctag acatatactc catgctctcc 300
aagtgcacgc gtcttccttt acatgcctct tggatattga cttagttaat ggtcccaaac 360
ccttccttc aagtactaca tcttggctct taaggctatc cataagtga tctacaacat 420
tacttaattt atttttccta t 441

<210> 36280
<211> 93
<212> DNA
<213> Glycine max

<400> 36280

tgtgatcatt agcaacattg agtggattgt tcctaagatc ttttgacaac atttaaaaaa 60
tggttgccaaa tatgaataaa tggtactaat atg 93

<210> 36281
<211> 444
<212> DNA
<213> Glycine max

<400> 36281

taggagaatg aaacccgaaa tgtcactaag aatcaaggta tgatgcgaaa aagcagttca 60
acgctggttt cttggcggtat tctcgatacc ctgagtgggt ggccaacatt gtgtcggtcc 120
ctaagaagga tgggaaggta tgaatatgtg tggattatcg ggacctaata caagccagtc 180
ccaaagacaa tttcctcta cggaacatcg atgtcctcgt agataacacg accaattttg 240
ctttgttctc catcatggac gggtttctcag gctacaatca aataaaaatg gtactagagg 300
atatggaaaa gaccatgttc gtcaccctgt ggggaacgct ctgctataag gtgatgtctt 360

ttgggctaaa aaacgctggg gcaacctatc aacgggctat ggtggctttg ttccacgaca 420
tgatgcaccg agagatcgaa gtct 444

<210> 36282
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36282

agctagattg gttttgtgat agnngatttg caggagatgt tgatgataga aaaagtacta 60
ccggatttat gttttttatg ggtgatttg tttttacatg gagttctaag aagcaagcca 120
ttgtgacact ttctacttgt gaagccgagt atgtagctgc aacttcttgc acatgtcatg 180
caatttggct aagaagatng ttgaaggaac ttcacttgtt gcanaaggaa aacacaaaga 240
tctatgttga taatagatct gcacaagagc ttgccaagaa tccggtgttc catgaacgaa 300
gtaagcatat agatacaagg tatcatttca ttagagagtg cattgccaag aaagaagtag 360
aattgactca tgtgaagact caagatcaag ttgtggatat tntaccaag cctctc 416

<210> 36283
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36283

tctagccaaa tggacttacc ttgaattaat tcctttgata gctcntntga tccttgtttc 60
cctttccttg ttttgaagct cactacaagc cttaagtga aaaccatgat attaccatat 120
ccttaaggaa ttttgagct ttggaattgt tttggaata agtgtggggg ggtttttgtt 180
tcattggaca acttgttttg ttggctatgc ttcattgatg attttgggcc atacttgatg 240
tacattgtat attggttaaa tggtgggctt aatccggatt ttggttggtg acttgaagag 300
ggcaaataaa gcagcgctta gcttaattaa tttctaatta ggaaacttcg caattttatt 360
ttatgttgtt caatgtttat ttcgttcttg gccaaagtat tggaatatgg cccagtgact 420
ctgagtgact ctttat 436

<210> 36284

<211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36284

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 cccggaatgg gtttaggcaa agacaacggc ggcataacta gcctgataaa tgccanagga 120
 aatcgtgaga agtatggttt aagctataag ccactcagg cggatatgaa gagaagcatc 180
 gcgggaagga agagcgggtg tcaaagctcg tggtggagac aagaaagtga aggaagccccg 240
 ccctgccaca taagtagaag ctttataagc gcgggtctgg gagacaaagg tcaagtggtc 300
 gtgatatgcg aagatgatgt tccgagtaca ttggaattgg tacgaccatg ccctcctgat 360
 ttccagttgg gatattggcg agtggaggaa cgcnnctgca ttacgcaac gagcataatg 420
 tanaccctta cggttntaaa agctctatag t 451

<210> 36285
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36285

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 gtagattggc acttttgtca tactgaagat cctatttaga gacatcaata ctaattgtca 120
 attcaaatga tcaaccagta gggttttttt accaaattat ttagaggctg tttgataagt 180
 ttcccttatt acaagtttga ctcataggaa ttgtatgctc taccttgaag aggagtgcta 240
 gggacatgaa tgcgcaaaca aggtgattgg aagcactagt gaggagtga gattgcattt 300
 tttttgtaac cctgtgaaaa agggtaaagg gagactaaga agtacacgat gaaattatta 360
 agagggatga atggagggaa acacaacaat aggtggaagt gctgggtggg agctttaacg 420
 tcgacaattt ggcagcatat gaataagatc cttttctca 459

<210> 36286
 <211> 448
 <212> DNA
 <213> Glycine max

[illegible]

<210>	36287
<211>	461
<212>	DNA
<213>	Glycine max

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agaaaaatgt	ggcatttacc	tgaggtgaaa	aacaagagca	agccttttgct	ttgctcaaag	120
aaaagcttac	taaggcacct	gttctagctc	ttcctgactt	ttctaaaact	tttaagctag	180
aatgtgatgc	ctctggagtg	ggagtttagag	ttgtattggt	acaagggtggg	caccctattg	240
cttatttttag	tgaaaaaactt	catagtgccca	ccctcaacta	cccacctat	gataaagagc	300
tttatgcctt	aataagagcc	cctcaaactt	gggaacattt	ccttggtngc	aaggaatntg	360
tcattcatag	tgatcaccaa	tcacttaagt	acatttagagg	gaaaagcaag	ttaaacaaaa	420
ggcatgcaaa	atgggtagag	tacctagagc	aatctccata	t		461

<210>	36288
<211>	432
<212>	DNA
<213>	Glycine max

agcttaangt aananagtan anggacctcg accagnngag agtttgttta gagactaaac 60

tcanagattc atcggttcgtt cttcgttntc ttcagttctc aacaggtaag tacctcanac 240
 caagcttttc aattcattct atgtaccogt ggtgggtccac antttgtttc atgtattttc 300
 attctcgttt tcatatactt tttatacccn cctttgacgt gctaaagcca ntttattaag 360
 tcatttctcg cctaatactaa aaataaaata aatntccacc gatcgtttga attgatcatc 420
 cgttactttc gtttgaaatg aattc 445

<210> 36291
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36291

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 tgacgcctcc tctcacctcc tttcctttgt cttccgctgc atctccatgg tggaaaatca 120
 ccattaaagg accccattga agctcaaaga tccaacctcc atagaagccc cacaagcaag 180
 cttccatcaa gtggtaatca gagcacaaga gtttcaagta ggtgctcctt aaacctccat 240
 taattttttt tctttacctt ctgttccatt tttgtttctt catttttctc catatatctc 300
 ctcacatgtc ttgttctaaa tgttggttaac atgattcttt agagtttcca ccgattaaac 360
 ttgctataga agttagattt gattntctat ggttcaaatt tcttgttctt gttcttgaac 420
 catgaa 426

<210> 36292
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 36292

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 gtatgatagt caccgctgta tgagcgcggt acaccaacaa cgcttcgaag ccatcaagga 120
 gtggctcgttt ctgcggggagc gacacgtcca tctcatggac gacgagtata ctgatcttca 180
 ggaggatata cggcgccggc ggtgggcacc actgggttact cccatggcca agtttgatcc 240
 agaaatagtc cttgagttct atgccaatgc ttggccaaca caggagggcg tgcgtgacat 300
 g 301

<210> 36293
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 36293

gtgaatgctc tattcaatgg agtggacaag aatattttct tactgatcaa cacatgcaca 60
 atggccaatg atgcatggga gatcctgaaa accactcatg accgaacctt caaagtgaat 120
 atgtccaaat agcaactatt ggccacaaaa accgaaaatc tgaatatgaa ggaggaacag 180
 tgtattcatg actctcacat gaacattctt gaaaatgcc aatgcttgac tgccttggga 240
 gaaaggatga cagatgaaaa gctggtgaga aagatcctca tacccttgcc taagagatat 300
 gacatgaaag tcaactgcaat tgaggaagcc cataacattt gcaacatgag agtagatgaa 360
 ctcatggtt cccttcagac ctttgagcta agactctcg atatgactga aaag 414

<210> 36294
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 36294

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 gatgtccgat tcgggggaaat aatatatcga gacgcacgaa attgaacaac ggaagctctc 120
 gagaaatatg aatggtcata acatttcact cggatgttcg atccggggac ataatttatc 180
 gagacgctcg aaattgaaca accgaagctc tcgacaaatt agaatggctg taacttttca 240
 cgcgaaatgt cgattcgggg acataactca tctagacgct cgaaattgaa caacggaagc 300
 tctcgagaaa tttgaatggt cataagtttt cacacggatg tccgattcgg gaacataata 360
 tatcaagaca atcgaaattg aacaacggaa gctct 395

<210> 36295
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 36295

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gcttccatca caagatacct tggacacgca tgtatatggc aaaatagctc acaaaatata 240
 cgtatgttta ggtagcaaaa tacctcaaaa aaaaagagag agagcaaaaa gagagcgagc 300
 aagaaaagaa taagaaaaaa ataataataa aaagttgtct agctaaaaaa caacatgctt 360
 gtgaaaagag ataatttcca acttttcttt gaaagatttt actgatctta accagttttt 420
 tgaaaaaaa aaatgtgtgt acatatttga agg 453

<210> 36298
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36298

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 tggaagattt ctgaaagcaa taagggttaag acttatatga atgctattga ggagcagttc 180
 gttagctctg ataagtccat ggccagcacc ctaatgaaaa agctntcaag catgaagtat 240
 gataatatta aacgtgtgcy tgagaacatt atggaaatga tggatactat ngataaacta 300
 aagtccttg aaattgagat ttctgaatca tttgttgctc atctaattct caactcactt 360
 cctcccg 367

<210> 36299
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36299

tcatttagaa ggatctagag gctcaacact catatgcctt ncttgcttgg gtcacaattc 60
 tcttgcttag ctactccata aacctagttt cagatagtag tggacaagtc tacgctattt 120
 cagaaggcta attgctacaa aggcaaagag ttgtcgatag aagaagatga agatgcttct 180
 caaaccagat atgtgaaggc ttgcccata aggctcttag aacatgagct tgaggctcta 240
 aaaaagaaga atgagcttac cagtctgggt ctggattgat ttgctatgaa gaagttttgt 300
 tgattgaagg ttcattgttc aaatctggaa ccagatgaga agccactaat agaaggagtt 360

caacatgaga tagggtgtta ctatcagact ttgaaccatt catgttttac ttaagaaact 420
cctttcaaca tggctgccc atggg 445

<210> 36300
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36300

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ctctatattt gcatagaggg tgtttttctt aaggactgaa agaacttgtc tgagatgtcc 120
taagtgatca tctagcctcc tactatacac taaaatatca tcaaaataaa caactacaaa 180
tctacctatg aaatccctta agacatgatg cataagcctc ataaagggtgc tnggtgcatt 240
agtgagccca aaaggcatca ctagccattc atacaaacca aacttgggtct tgaaagcagt 300
tntccactca tca 313

<210> 36301
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36301

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gttttggtta ctttttatac ccctcttga cgtgcttaag ccattttact taagtcattt 120
ctcgttaac ttaaaaaataa aataaatttc caccgaacgt ttgaattgta ttatccgtta 180
acttcggtta aaataaattc cgaccgttcg gtcgtgccgt aaccacgttg gaaatcaaaa 240
aaacgaggta aaaaataata taataataat aaaaaatctt ttagcaaaat aaagcggaaa 300
atcaatcgaa cgttttctct ttgggatttc tcattcttaa tcgaattgat taataactaa 360
agtgaacta aggctaaaat caactcacct agtcaagctc gtccacaaaa ataggctttt 420
gaagtatgtc atttcaattt ct 442

<210> 36302
<211> 458
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 36302
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 atggtgattc tccaccatgg agatgcagtg gaagacaaag gagaagagga gagaggaggc 120
 gccatccact anggaataag ccttggaaga aggagcttca ccaccaagat gagccttgga 180
 taagaagctt ggagaggatg cttcaatgga gganaataaa gagggagaga aagagagagg 240
 tgggagcacg atattgaagg aagaaaaagg gagagaagtt gaactttgtg ttgtgtctca 300
 caagactctc attcatcana gttacaacaa gtgttacaca tgcttctatt tatagactan 360
 gtagcttccct tgagaagctn tcttgagaag cttctttgag aaaacttccct tgagaagcta 420
 gagcttagct actcacacc ctctcataac taagctca 458

<210> 36303
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36303
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 aaacctttgt tcgtgggagc agaatgacag cagtagtgga caagaagtga gattctttcg 180
 tggagccacc gagctgacgt gatgaagttg ggattatttt gggagagagt tgtgttttat 240
 taatcaactc ctccatagct ggttccgtaa ttctttttgt tgatttcaag atgtaaatca 300
 caaatttaat tatatgtatg aacaaattta ttttccatta tgtgaatgat gtgtactagg 360
 ttactatacc tatatatata tatatatata tatatatata tatatatata tatatatatt 420
 cacttacgta atggtgcatt gcg 443

<210> 36304
 <211> 346
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36304

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caccacattg anggattaaa ggaggggagag aagtggaact ttgaagtatg tctcacaaga 120
ctctcattca tcaaagtaac aacaagtttt acacatgctt ctattcatag actaggtagc 180
ttccttgaga agctttcttg agagaactaa cttgagaagt tcctttgaga caacttcctt 240
gggaagctag agcttagcta cacacacccc tctcataaca aagctcacct ccttgagaga 300
cttccttgag aagattccta aagaagctag agcttagcta cacaca 346

<210> 36305
<211> 464
<212> DNA
<213> Glycine max

<400> 36305

agaaggtgtg tagcccacca tcttttcata gtagaatact gtttttgctg ctactattat 60
tgtcatcatt gtttttctct gtcattgagg tgctacttga gctgccaaagt ctctccacct 120
ttgggcgtat cctttgaaag atccgtaccc tctttttgca catgttctgt agttgcatcc 180
tatccgaaga cattatactg aactgccta atgaaggcaa ccactagggtc cttccaagaa 240
tggaaggaat gtatcagtaa ttcctcatct tttgcatg ccccatctt ccgataatac 300
atcttttagat agtttttggg gcaagtagtc cccttgtagt tgtcaaagtc caacaccttg 420
aacttgggag gggatgat attgggttct aggaaccaac tttt 464

<210> 36306
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36306

cagctcggac ccgggatcct tagagcacct gcggcatgca gcttttttga tgtgaatctt 60
gatctgtcat atcgcaattg agagggtgta aaagggtgctt ttcttttctt agaagccata 120
tgcaaaatat aagacaaaac acaagagatt agcacatgtt tattctcaag aaaatagaaa 180
aattaagatt gataacagag ttgggcgctt agcacagcaa tatggcgctt agccccctca 240

caaaattact catgggctaa gcgtagcaaa ctgcgctna gcctagagac tcanaatctt 300
 tntgtctaca gattaggctt agtgcagcaa ggcacgctta acctanacct acaatnttag 360
 aaatagtaaa ggacttgggc ttagcgcaga ggcttgcgt naggcttatt acgaaggtaa 420
 agaaacagaa cctaagtggc gcttagctca gtaagtngtg cttagcgcct gaactactct 480
 gagtatctca gta 493

<210> 36307
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36307

tctgttctca cttgatgtgt cccttacatg catgcacaaa tttatacttc tatgctacat 60
 tggagctatt gttttctact tgggtgaggt aagttgttca tatgagactt aaagctgtga 120
 ctactgtgtg gtgtgtggag ttgtaaattg taattcacca tacttactga cagttcaata 180
 taatthttgga cctatthtttt gtcactgaat aagttacatt tcctatthtca cthttgatthtt 240
 aatthttggac tctthtttttt ttgggtcttga catagcatgt ttatthtaatt ctgcagcctg 300
 ctgctcccaa actgggtacg ctgatgggtg tctntattcc atgtatacaa agcatnttgg 360
 gcatcatcta ctacattcgt ttctcttgggt aacttgtaaa ttgctthtaa tcttgtctta 420
 tatthttagct cgtthtgaggc thttggaacc taatatctga 460

<210> 36308
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36308

agcttgtatt ctctnccatc cnccagcan agtcatgtga tagttctgct ggtaggagtt 60
 gtgtthttaa caacaataag ccttattcca ccaagtggag ctaatatata tgtcaaaatc 120
 actaattggc atccacattt gagaatccaa agtgcataana atthattgat tactaagtta 180
 ctaacttcct ttacttacia tthttggcaat gatcgthtcta thtcaatctc gthtaacctat 240
 gctctgctca thctthatttt thcctgcatg atthccttgg gactacagat actgatgtta 300

nttttagttg cataattggt aacgtttata atattgttgc atgcttnga aggtttaatt 360
acggaactgg gtagaattan aaaataccat aatgggattt tttaaataaa ta 412

<210> 36309
<211> 461
<212> DNA
<213> Glycine max

<400> 36309

tcttggagtc ttctatgcaa tgcccttgag gggatgatt atttcattcc ctccccctt 60
gaaaaggatt tgatctcaaa tccatagggt cttgaaactc atggattctt tcctcaacac 120
ctctaaaaag aataaaaaca tatgtattag tgatgttggg tatgttagag tacgataagg 180
actgaaaacc ctttcttgg ccatcttccc atgagagaat atagtctctc accaactcag 240
tgagtgggtc tacaagtata gaaaaatatg ggataaacct tttgtaaaag tttgttaaga 300
tattgaagcc cctaatttcc cttatacatg gtggagtaag ctactcaaga atgaccttta 360
ttctcttatg gtccatggga agcccttgat cactatttaa aaagttaagg aaagtaatgg 420
aataaaatat accttctttc tttattttca tgttgattat t 461

<210> 36310
<211> 116
<212> DNA
<213> Glycine max

<223> unsure at all n.locations
<400> 36310

gtccaacacg gtgttaacgg ctccatgac tgccttatag aatgacacn cgccctgaca 60
ctcctcgag actgttgat tcattaacac tccgcgataa ggaagcatca caactg 116

<210> 36311
<211> 221
<212> DNA
<213> Glycine max

<400> 36311

agatggggtt gttgatactg gcgaagaggg aacaccagct gctctggacc tggttttcct 60
tgcccttgga aaattaacta tttggtcatt cacattccaa catttccttt aatataggcc 120
aagataatga ccagcctcag gctcttgtaa gcagtaagag catcagatcc aactcccctt 180

gacctacaca agactttgat taaagctggg aagcctaggc a

221

<210> 36312
<211> 429
<212> DNA
<213> Glycine max

<400> 36312

tgagcttgcc ctccattatg agcatggagg agtttgacgc tctaggtggc ctggccagga 60
gaccagtctt cttcctctag aggggggtggg gcctccacaa cccaggagcc tgtgactaag 120
gagcctgcag cagaggaaga gaccactcca gctcagactc ctcagccatc tccaccatct 180
gaacctgctc ctgacgagac tcaaccatca tcagcactgg atcttaatga agaccagcca 240
caggaggagc aggacgttta attttttttt tttgcattat gaacacttta gttttatttc 300
agttatttta tgctttatgt catttaaatt tcagctttta tatttcagta gcatagttgt 360
ttgtttgctt gaacaaaaag cttgattgaa cagtgaattg attgaacatt gcatgcagtg 420
gattgtttg 429

<210> 36313
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36313

tgcttttgat ccaaaatcct gacacaccat aaaccttgac ccagggtgag aatgtcaatt 60
cttaccctcg gaagcaaana aaaaggggag agggaaaatt tccaatcaaa gaggaagcan 120
aaaaggagag aaggaaaatt tccaatcaaa ggaaaaaaag agaggaaagg gaattcccaa 180
tcaaagagtg ggagaaagca aaaagattag aaagaaaatt cccaatcaaa gaatgggaga 240
aagaaaaaag agaagaagat agggaagata gttcccgatc aaaaaaaaaa ataatatgca 300
gaaagggtct tggaccggac aatatctgaa caatacagaa ttgtcaccaa atgaat 356

<210> 36314
<211> 426
<212> DNA
<213> Glycine max

Cable

<210>	36315
<211>	407
<212>	DNA
<213>	Glycine max

cgatcactcg	gaccgggatac	cttaagcacc	tgggctcagc	ttttatcatc	ttgtcccgat	60
ggcccatgtg	ttcgtgcttn	tattctcggt	gttactttta	tacccccttg	gacgtgccta	120
agccatttac	ttaagtatnt	ctcgcttaac	tanaaataaa	atagatttcc	accgaacggt	180
tgaattgtat	atccgttaac	ttcggctaaa	atgaattccg	accgttcggt	cgtgccgtaa	240
ccacgtagga	aatcanaaag	aggtannaaa	taatataaat	aaacaaagaa	catcttttag	300
taaaataaag	cggaagatca	ataggacggt	ttctcttttg	gattctcatt	ctcatcgaat	360
ggataataac	taaagtgaga	ctaggctaaa	atcaactcgc	ctagtca		407

<210>	36316
<211>	426
<212>	DNA
<213>	Glycine max

tgctcanag agatccagga aggataaagc gaccgtaggt tccagttccg ctcccagta 60
tgacaccac ctctttagga ggcgtgaaca ccagcagcgc gtcgaggcca tcaagggatg 120

gtcatttctc cgggagcgac gcgtccagct cagggacgat gaggataccg atttccagga 180
 ggagatagtt cgccggcggt gggcatcact ggttaccccc atggccaagt tcgaccaga 240
 catagtcctc gaattttatg ctaatgcttg gcctacgaag gagggcgtgc gagatatgag 300
 atcctgngta aggggtcagt ggatcccgtt cgatgcggat gctatcagcc agttcctggg 360
 atatccttta gtgctggaag agggccagga gtgcgagtat ggtcagagga ggaactgggc 420
 tgatgg 426

<210> 36317
 <211> 223
 <212> DNA
 <213> Glycine max

<400> 36317

gttttttcag atactaagta gcacatggat gtttctcaca atctgtttac cacagagttt 60
 ttactctctg gtaatcgatt accagatcat cgtaatcgat tactattagc gaagatgggt 120
 ataaaaaac tgttaactga atctacaatg ttccaataga tttcaaatg ttgtaatcga 180
 ttacaatgta ttggtaatcg attaccagtg tgctagaacg ttg 223

<210> 36318
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 36318

tgctgatac tatctgagat ccctttgtcg ttgccttctc ttcgagggtg aagcttaagg 60
 agaaccagg ctcttatctg gtagttcact tcgcgacgtt tcccatcagc ttggcttttc 120
 atagcagctt gttccttaga agcttatttc gaatagcttg gaaagtgata tcctgtcag 180
 ttaacatctc ttcaacggcc tcaatgttcg aagaccctgt aatatattct ggatagttaa 240
 aggttttcgg ctaaaggtaa caccatacgt agtggctcca gttcccacat tccatgaagt 300
 attatgggat cattcgaccc acgagaggag cttccccac aagcttggcc gaggatggat 360
 gaaggctcgc aaatattgtt caattatgag attcaaaacc tctgtctgtc catcaat 417

<210> 36319
 <211> 401
 <212> DNA

tggaggaagc aaccctgctc gcctgggcca gctgggcagc aagcatctcc cctattttgc 180
 tataaatagg ggaggaagtg agaaggaaag gggttcagcc ccttaggcac ttctctctct 240
 ttccaatttg cttggaaaaa ttgtttccgt gaagaaaatc taagccgagg cgcttccgaa 300
 acgtttccgt aacgtttttc gtgaagaatt tcgcaaaggt ttcgaccgtt cttcgacgtt 360
 cttcatcgat cttcgatct 379

<210> 36322
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36322

tacaactacc caacacaatt caaatgggaa tttgtttgta tttaatatth aaagtaattt 60
 aaatgtaaga taatatatat agccatggca ctagaaatca aactttaaaa gtataagaac 120
 caaaactata atagaaaaaa attagggtag gtagaaaaaa tatattagaa tcaaatatat 180
 gtatgtgtag tttcattaca ccaattttaa tacaatattt tctcaaatga ttaaattatt 240
 ttgctaagta ttttcacatg anagtttcat taattcaaac caacctcagg gagctacagg 300
 tacaatcttg cccgagcagt atcaaacca atagaataat cattttcctg caaagcaaca 360
 aatttagatt ttatcataat atttcaagtt ttacaactaa taaataag 408

<210> 36323
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36323

acaagctttt atttctctt tcagaaccat gctatgtgct cgcgactggt ctctttcttc 60
 cctccgcaac ttgagttcac tattgctacc ccatagagct ccgcgaaatt tggtccggcc 120
 atactcttcc ttgcgagccc tcttgggtctc ttgttcaagg gctcttgagg taattgcatt 180
 ctcttcccggt aaccgggcac actccttccg aacgtgtgta gcggccaact tgatcttctc 240
 cttggcaagt ttgcctttc ctaactcgct ttgagagat tggacttctt cgtcctcttc 300
 cgggtgcttca aaatcctctt cgctgacgac ttttaacttg gagagccaat ctaaactcgc 360

tatatgaact ttccagccatt cgtggtaccc accaatgata cn

402

<210> 36324
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36324

tatagaatat ataattacat aactaagacc atttttagatt ttattcatgg caccttccga 60
tgaggctaga gtgctatddd ctcccacaaa cgatatttta natgatgttg cagaatcttt 120
acaatgaatg catattcatg gacaatatc taaagggtaa gggaaaggaa gcaatgaaga 180
tcttcccga gaagatcatt cccttgacaa cattattggg gatattctca aaggggtaac 240
aactacacat tctcttaaag atttatgcac taatatgggt tttttatcta tgattgaacc 300
tataaatata aatgacacca tattacatga tcattggata gctgctatgc aagaagaact 360
aatcactt 369

<210> 36325
<211> 375
<212> DNA
<213> Glycine max
<400> 36325

agcttctatg aagggttgat ctttgagttt caatgaggtc cttcaatggg gattdtccac 60
catggagatg tagcgaaga taaaggagaa gaggtgagag gaggtgtcat ccacttgga 120
ataagccatg gaaaattgag cttcaccacc atgagagtgc cttggataag aagcttagga 180
aggaaacttc aatggaggaa aagaaagaga gagagagaaa gagatacagg ggagcacgaa 240
attgaaggag gaaaagagga agagaagttg aactttgaag tgtgtctcat aagactctca 300
ttcatcaaag ttacaacaag tgttacacat gtttctattd atatccgagg tagcttctc 360
gagaaacttc cttga 375

<210> 36326
<211> 407
<212> DNA
<213> Glycine max
<400> 36326

gcaaaccgat ccattccacat ggttgccctct tgggtgtaaag agtcgatcac ccttcctcta 300
 gcctctttttt ccgcgtatac ttgggcatac tcatccgcga ttctatgctc gtgggctgtg 360
 gctagaccta actcttcttg gtacttggcg atgatagcta gcatgttggt ctccgtctcg 420
 cataaacgct gagacaagct tctt 444

<210> 36329
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 36329

agcttggaag gatgcttcaa tggaggatta tattgagga gagaaagaga gaggggtag 60
 cacgaaattg aaggaataaa aaaggagag aagtgaact ttgaagtatg ttcacaaga 120
 ctctcattca tcaaagttac aacaagtgtt gcacatgctt ctatttatag actaggtagc 180
 ttccttgaga agctttcttg agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240
 gagaagctag agcttagcta cacacacccc ttcataact aagctcacct cttgagaag 300
 cttccttaag aagattccta aagaagctag agcttagcta cacatactc tctaatagct 360
 aagct 365

<210> 36330
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36330

nttcgattca ttctatgtac ccgtggtggt ccacattgtg ttttgtgtat ttttattctc 60
 gtttcattta ctttttatac ccccttttga cgtgcttaag ccattttatt taagtcattt 120
 ctcgcttaac ctaaaaataa aataaatttc caccgatcgt ttgaattgta ttatccgtta 180
 acttcggtta aaatgaattt cgaccgttcg gtcgtgccgt aaccacgttg gaaataaaaa 240
 aaaaggtaaa aaataatata ataatacaaaa aacatctttt tagtaaaata aagtggaaaa 300
 tcaatcggac gttttctctt tgggatttct cattcttaac cgaattgact aataactaaa 360
 gtgaaactaa ggctaaaatc aactcgcta gtcaagctcg tccataaaaa taggtttttg 420
 aagtttatca tttcaatttc ttgctaagt 449

<210> 36331
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 36331

agcttctaaa ctttatacaa gaattattct ctgataccac ttgttagaca agtggcctca 60
 gatattcttaa gaaggggggg gttgaattaa gatatcccaa attactttcc acaattaaaa 120
 atttatttca ctttcttttc aagttataga ttcccttaac aatgaacttc ttaaataatta 180
 attcaaataa aacaatttga atatgaatgt aaagcaataa taaacaaagg aggttaaggg 240
 aagagaaagt gcaaactcag atttatattg gttcggccac acccttgtgc ctacgtccag 300
 tccccaaaga atccgcttga gagttctact atcttgtaaa ttccctttac aagttctaaa 360
 cacacaaaga caatccttcc tttgtgttta gaattccttt acaac 405

<210> 36332
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 36332

taacaatcag tgtcatacta ttgatcaaaa caaagtctgt atttatatgc aatactagac 60
 tcaaaatatg caacaaacac tagacctaaa tcagtgtcac agaaattgga agaaaatatt 120
 ttatccaagc acaaacttca agccttattc catgtattgg ggggaagtta tggctggcca 180
 tatgggtaga ggtgtcatag aggagcaggt atggaggaag ggaccttgga ctgctgaaga 240
 ggacaggttg cttgttgagt atgtcaggtt gcatggtgaa ggtagatgga actctgttgc 300
 taggcttgca agtaagaaac accaaaacttt ttctactgtt ttgtttctta atatatatga 360
 ttggattttc acatttataa gtgacaatat agcaaaaaaa caactgaaat tgttttcaac 420
 ttctactgtt catgttggct acatt 445

<210> 36333
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 36333

tgcaagctgc caccactcc ccagcaattt tgttgcttcc tctctggag gaacatcttg 60
 gaaggcccaa gtgggcctac ttgctatttg caccctctg tttactaaat acacccctg 120
 ccttttttg ctgattcttt ttccgtaacg ttacagaact ttacgaattc tgtaacgata 180
 cttgttttcc ttccgtaatg ttacggaacc ttacggatta cgtaatcatc ctttttttg 240
 ctttcggaat gttacagaac ctcacggatt gtgtaacaat gcttcctttt gatttcgggc 300
 atgttacgga acttcacgga tcgtgcaaca atgctctctt ttgacttctg gcatgttatg 360

<210> 36334
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 36334

tcgagcctca tcgtgacta ttggtaaagg tctctatga ttcttacgta gcacacaaca 60
 tctcagtcga gggttttgaa ggcattgtta atcacataac taccaataac tatatctcgt 120
 tcgcggaaga ggagattcca gttgagggga gagggcaca caaagctcta catgtgtttg 180
 tcagatgcat ggaccatgtc gtcgctaagg tactcatcga taatggttca agtttaaagt 240
 tgatgccaaa gaccaccttg gagaaacttc cttttaatgc gtcacgtcta aaaccgagtt 300
 caatggtagt acgagctttc gacggtagtc ggcgggaggt gatgggggaa attgacatcc 360
 ccattcagat aggccccac acttgcaatg tggttttcca agcgatggac ataaatcccg 420
 cctacaact 429

<210> 36335
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36335

gaagctgaac tatcgtgtct gataaacaac nacgtttaag ttgattcang acaancaaga 60
 cnagggagcg gtggaagcat gatgcaaca agcacttgaa ctgcagctgc ttaactcttc 120
 tttttgtgta tcttggcata cctatacggg ctattaatgc cacaaaatgg tgacctgacg 180
 accacagttt tgaactccaa atatggtgga tggaggaacc ttgaagaaac aggaaattca 240

ccaaaacaat gtgtgtggtg gagggatgta aaacaagctt tcaatcaatc tcaacaggga 300
ctggttat 308

<210> 36336
<211> 425
<212> DNA
<213> Glycine max

<400> 36336

tgcaatgaaa gatatttgt atgtaggagt ctggtgccaa tctatacttt caaaccaagg 60
ccataattca aaataggtaa gatataaatg atgatagtca ttagcacaaa cattgacttc 120
tgcaactgct actaagcttg caatcaaaga tattgtatat atagtaatga actttccatt 180
cagcaacaca aatttgtttt atttgtatgc ttaaattctgt tagattgcct gttcaacttg 240
aaatgtcaaa tttctatctt atatatttta tttggacaat atctaacaaa agatgcaaca 300
aagaagttta ctaaaccctta tatcagagat gggcatcaat tctttatata ttgcttgtct 360
ggcacaccac aaattctctt ttgatttggt ttgtccatag attagacttg ctttatatag 420
ttctc 425

<210> 36337
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36337

gggtcccttg agtatgcatg cancgcncca tnggacagan ccnggggcaa aagaccgaga 60
aacaacacct ttacgttagt agaaagacac ccagcgggc ggccaatggg aaanacaac 120
ccacaccaac gcgaacgaaa gaaaaaaaga caaacgaagg agggagagac aaaagcgaaa 180
cacaaccgaa gagacacaac acaagcagcc cgagggngcg aggaccngac ccacgaccaa 240
gaccacaagg gagacaaaac gaaagagcac agaaaagaaa cgaacnacgc acaacaggga 300
ccnacaagga aagaagcggg agcaccgaac gcaagacgag agacaccaac ccagaccaag 360
aacagcgaca cacaggacgg cacaaaaaac cgaaagaaaa agaagaaggg ccaaccacga 420
gccccaaaaa cacagacaca cg 442

<210> 36338
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 36338

tcccgcatcc gtacttggaa ggacctgatt actgctttcc tattgcaata tcagtataat 60
 tccgatatgg ctgccaatcg cactcagcta cagaatatgt tcaagaagga aggtgagacc 120
 tttaaagaat acgcgcatcg gtggagagac ctggcggcac aattggcacc tcccatgctc 180
 gaaagggaga tgatcaccat gatggtagac accttgccag tgttttacta tgagaagttg 240
 gtaggttaca tgccatccag cttcgcagac gtagtgttcg ccggggaaag aattgaagta 300
 ggggttgaaga gaggggaagtt cgattatgtt tcctctacaa gtgccaatgc taaaagggtc 360
 ggaacaactg tggcaaagag gaaggaggga gatgccacg ctgtcacttc agcgcccgcg 420
 tgggtta 427

<210> 36339
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 36339

cagagcacct gagctgcagc ttgattcctt gcccgcactt ttttttttat gtgcacccaa 60
 acccaagggtc cgggtgagaa tacaacctcc tttctccctt tgtcggcttg tttaacatag 120
 cttttatattt tcctctcaat tagatctttg actctctcat gaagcttctt cacatagtcc 180
 gcctttgcta gaccttcttt atgcttaaaa acagaaacat taggcatatg caaaagatca 240
 agaggagtta gtgggttaaa accataaaca acttcaaaag gagaacaatt aacggtgc 298

<210> 36340
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36340

taaagtatgc ccgagtcatt catccctatg agaagntgnt tanatattgt cgatcagaat 60
 tgccattcgt tggattatgg ggttgaacca agctcatgct ttttcgaaaa aagttcatca 120

aatcaagttg aagaatggaa gtaactatct tgcaaaaatt ggggcaaaag atgaatcgag 180
 tcacatcact gcttcgtcta ctgccaaaca tatttaggat tgttgatgac cttgttactt 240
 ccagtttcac cttgacaaag atgtcataga ccatgtggaa aatctaaatt gattcaacc 300
 tatatcctgc acaatacttc aactgtacat cattcgcata catccatgct tttcattgg 360
 tgcattgctc attgcattct ttccttgaaa aagaaaataa aaataaataa at 412

<210> 36341
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 36341

agcttggtta taatactgta ttatgtgttt gtgactttga gaggtgtgaa catgacgggt 60
 ataactcttt ttttgatgaa caaatgttgg ccattgaaca agtaatcatt ttttgttttt 120
 tttttttttt cttttcttaa ccttccaact cactttatat gtcggtcttg aacaattaaa 180
 tgaaaaccaa aaaatctttt gaattttgat tttttttttt tctcttaacc atccaactca 240
 ctttatatat gtcccacttg aataactaaa aagaaactaa aaacatcctt tgaattttga 300
 tttttgtagg tggaaccaat tgagaaaaaa gaagccatct gagtaagatt cctaacagct 360
 attatggatt gagc 374

<210> 36342
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36342

gacacctaga tactcaagct tangcatcgg gagaaacgat ctcatataac aggggtactgt 60
 tgctatttct gaacaaatga ggggtcaacag gccctgaca gagaaacaat ccagctatca 120
 tgcagtaagt ctacccccac attggcttac catgctgccc caaccatacc tatattgaaa 180
 aacgaacact catgaattga ctggttagaca aagaagtatc cgtgcgcttg caagagataa 240
 taagatgctg acatcatact ccaaaccact gatttagacca gactcacacc tcttggttta 300
 gatggatcaa ttcttaacac cacagaccgc tatgcagatt acttagatgc aactaataaa 360
 aaaccccgga tattctccat aagcaacggg caaccacacg actacagatc caatccagag 420

<210> 36343
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36343

agctcgctag ctanaacgaa ggtggatnnt ttatctcact ttaggcgcct ctaaantggg 60
 gggaatgtgt ctcaaatatg tgtgggcaac ttttggtttt ggttttcttg ccttgattgc 120
 ggttcgaatc tgcggggtct tgtattggga tgtgccctac gtcctatata tgcgtttctg 180
 aagcaatgtg ggcattgcca cattgtcact cgttctcttg ctattgaggc ctaaacgcgc 240
 gcccaccaag tgttcgggtga aatgcctcaa tggcattatc gcgtgacttt tgtaaacc aa 300
 caaccatgg ggcatttttg tttgcacata tctctatctt tttgggacat gcattcattc 360
 ccgacaaatg ctagagtaat tgcccc 386

<210> 36344
 <211> 264
 <212> DNA
 <213> Glycine max

<400> 36344

cctttcattc tgacatcatt caagaactcc ttagaacccc ccaagaacca cagacaaagg 60
 ctatgactga aaaagctgtg aaggttggtg aagaggtcaa gttcttctca tattatgctc 120
 atcacgttgc cactagtgat catgcagggtg atatcctaaa gagggctctac atgattccaa 180
 aagaaagggg acacattatt ctcaatgggtg tgggccaaca cgctttcacg ccagatgttt 240
 cgaaggggaa ggacttcaaa aaga 264

<210> 36345
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36345

agctttgagg gtgcgtagcc caccctcntt tcatagtaga gtatcgataa tgtgtctacc 60

atcacgatta tcattctccct ttccatcatt gggggtacca cctaggccgc cagatccctc 120
caccttttgg gcatgttctt tgaaagatcc gtcccccttt ttgcacatgt tctgtatttg 180
caccctatct gaaaccatat caaaattgta ctgatactgc ctaacaaagg caaccattag 240
gtccttcgaa gaatggactc gggaagggtc caagttagtg taccaggtaa cagctacccc 300
agtaagactt tcttggaagg aatgtatcag caattcctca tcttttgcgt attcccccat 360
cttctgacaa tgc 373

<210> 36346
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36346

tgagatgagg aagtgttgaa gggngaaaact tcttgtctnn ttttgttgac cacagagtgg 60
tacctggaga tatgtttcgg gggtcaggag accttgggga cgtcagggtg ggtgctattg 120
cccaaaacca agcttgacca atcccgaccc aaccgggga tagtcgggtca gtgagaacct 180
gtgatgtacc taagcaggcg agctcctggc agtcaacaga taaaaggaaa acaagaccac 240
aaagcaagga ggcttgtggt ggctggccag ctgtgaattt tgtgtaatat gtggattgtg 300
gcctctggta atcgattacc aaagggtgagt aatcgattac aaggcttaaa attgaggaca 360
ggaggctaag atggtctctg gtaatcgatt accaaggggt g 401

<210> 36347
<211> 245
<212> DNA
<213> Glycine max

<400> 36347

agcttgccac atgtattcaa caatcagcat cagctgatta aaatatattt ttggagccct 60
tgccggcgga caaaacgaca acgcgccatg agtgagaata aacgacgatg tgaggcgaga 120
gaagagagtt tatttaccgg gagtcttgac gactctgtgc tggttggatt tgggtggcata 180
gctgtagcgc ttgcagtagg tgagacgttg caccatcttc tccgataact tcttccaaac 240
cctag 245

<210> 36348
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 36348

ctcaacaagt ttcttcacag atatctatca tgaagcagaa aactcgcatt actacccatc 60
 atatctccca aaaggccata cccacgaaat ttaagagaga aagaagtcca cccaaacctg 120
 aaatttcgaa gtcccaactcg tagccacgca cttcactact ccaaaaacgc cctcctttca 180
 cgatttgggg cagaaatgat ggccaaaggt tgaagctttg ttgggggtttc aatggagaat 240
 ggaggagaag aggaagctac gtgagagagg gagagaaaag gcttctgaac ttctttcttt 300
 tggctgagtg aggagagaga aaagctcttt gggttttaaat aaaagggttt tctctttttc 360
 tattatttta tttaagcaat gccacatgtc tccatttgag tggagcaaga agggcccact 420
 ttcccttttt gactgtgacc catactcagc 450

<210> 36349
 <211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36349

agcttccatc tttgattgaa tnaaggtnntt aanttttgca gcancgcaaa gangctgaga 60
 catcttttat cccatccagc gggaagtctg atgacactgc tgattatacc ccgcttgata 120
 gtgtttcttt tattggtgaa ccacacactg atacaacaga actgacagat cctaacttta 180
 atgctgaaga tcctetaaga aatttttatt cctttgatga agaagttatt aaatctgatg 240
 ttcaaa 246

<210> 36350
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 36350

agtgtgaggg gatactaagc attctttgca ccaaatgacc tatcttatcg ataagccacg 60
 aaaggaggcg ttatggtttt ggctccatga ctggtaatga aaataaagag actgtaatgc 120

<210> 36353
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36353

agcttcaact cattctatca gatctaagtt ttattttgct nnnatacaac gaaaaaggct 60
 tattttgctc catcttaatc ctactatfff atctcgttac atttttatcc cttttaattc 120
 atatccttac atatttggtg tcttttcacg acgtcttttg caatctattc aactacttgt 180
 tctgcactta aagtattact tgtaaaacgt agccaaaaaa caaaacattg cttgcacaat 240
 aatttcattg ccaattgatt tttctttatt tttctatcaa aatggagtga ctgtaccatt 300
 ttttcaatta atactctgcy catatcatat tctggagttt ataaaacatt ccactctttat 360

<210> 36354
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 36354

atctaagtct aacctattat tgaaatffff aactccgggc ctgatgtagg ctaagtgagt 60
 tgggtgtggt tccacccta cctctcatga actgtgggta aatgcctctt gcgaagcgtg 120
 aaagaagtac tattgtgtgt ttgtattagt tcattttata tttaatffff ttggataaaa 180
 gctttacaga aacttttaca acattgaaaa taactagata attactacaa ttgaacttat 240
 gttagctcca gattcattgg acctctactt aaattcagaa gttgcagtgc acagtatcaa 300
 aggaaaatta tctatgcctt aattagggga ttttttttat gacaattagg ggattgggtat 360
 tactgtattg tggaataaaa caaatccgac atccagattt aaacccact tgtatcttta 420
 attaagat 428

<210> 36355
 <211> 236
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36355

aaacaaacaa ancagcgcag cgtgacaatn anagangccg ccccaacacc ncacccacgc 60
aagagaanca cacaagaacg gccnnactcn aaagaaacac acaggccnna aaccacncca 120
acaccccagg agggcgcagg caacgcaaga gacaanggcc acaacaaaga acagaccacc 180
aanacgcgna aaggaaggcg acacaaggaa aagggnaacc aagaaaaagg ccaaca 236

<210> 36356
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36356

agtgtgatnc aacaaaatcc agcattgact acaggcttan tttatgacaa gccaanngaa 60
ccgcgcggta ggtttaatag tacaattatt cccctttaat ctttatagca cctatcttgt 120
tacaataaaa cactgagatg agatgaatat gtttcactca aaaaaaacgg tccgtcctaa 180
tgttgaaaat gagtattcca ccagataaca atgtgcgaaa tttggaccta attaacttat 240
aaacctaatt aattttaaca acaataaata agtctatatt ttggaggaaa gaaaatttta 300
tctctctcaa caagcataac acagctat 328

<210> 36357
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36357

gaaaaacacc anngaaggac cncaacgaag cacaagaac gagcncatc atgaagcncca 60
caagcaagcn nccatcaagt ggtaatcaga gcacaagagc ttcaagtagg agctccttaa 120
acctccatta attttttttc tttaccttct ctgccattga tgtttcttca tttttatcca 180
tgtatctcct cacatgtcgg gcgctaaatg ttgttaacat gattctttac agtttccacc 240
aataaacttg ctatagaaac tagattcgat attctatgga tcaacattct tgctcttgct 300
cttgaaccat g 311

<210> 36358
<211> 428

[illegible]

<210>	36360
<211>	412
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
 <400> 36360

cctgtatcag tgcgggttcg ggagacaaag gtcaagcgnn cgtaaantgt tatagatgan 60
 atnccgagta ctgggggattt ggtacgacca tgctctcctg atttccagct gggaaattgg 120
 cgagtggagg aacgccccgg catttacgca acaagcataa tgtaaaccctt tacgggtttta 180
 aaagctctat agttgggcct aggcctttaga gttttcattt tgttaaagct ttgtgtcttt 240
 tgtttttgaa tttataatac aaggatcttt cttcatctgt tcctgggtctc taccattctt 300
 cattcatttg catgtttact tcttttctta aaacggcaga ttcaatgaca agtcccccca 360
 aggtactaat acctnggacc cgtctatcaa cttcgagcaa gaaatgaatc aa 412

<210> 36361
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 36361
 gaccgcggca tgcaagcttg acagtgcgca ggagcgcact ccttcacttt tatacattat 60
 aactggcggc cgatgaatgg tataataagg acttccttct ctaaccagac ttgtgaaatc 120
 gcaaaacaag aataaaaata catctaaaag gagcgtcttc tcgtaagtcc tcgaaacggt 180
 cagcgaatgt gccgtccaag tattcttttcg ccatccttct agacacagat ataatagcct 240
 aataatagcc ttgtccttat gttctgggtg gatccattaa ttgatagtag ccgctttttg 300
 tatcccttat cgacaactaa tttgtcagcc atctagttat gatggtagac atatgatcat 360
 aactttgatc acgcgcccatt att 383

<210> 36362
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36362

acaccttaga atactcaacc ttgtgagtct ccagacgacg atagtaaaaa cctgcaaaan 60
 tttgattttt ttcagaatcg gacgaccagg atcattcaga taccgtcgaa ttcgttcacc 120
 tcgattgatg aaaggagcgg atgatcataa ggtatctctg cctgccacct aacttgctgt 180

ccctggatga caaaaggtgc ggaagacgat gttattctct gtatgtcaac gggctcgttt 240
 gccctgggtt aacgaaaggt gcgataacc atacagtatc cccgcatgtc acctgacttc 300
 atgggtcagg atgacaaaag gtgcagaaca cgatgttagt ctctgcgcgt caacgagctc 360
 gtttggccct ggttgacgaa aggtgtggat aaccatgcgg taccctcgca tgtcattgga 420
 cttggcat 428

<210> 36363
 <211> 318
 <212> DNA
 <213> Glycine max

<400> 36363

agcttggagg aggagaaaca tgggaccttc ctattgtatt tcaaacaag aagtcgtgtc 60
 cagtcaaggc tctgacagac catacaagct tcctaacgat ttctaattat gtggggcatt 120
 aagtctatca tatgttgaca atagccgaga agcccatgaa tctcttctgg ggaggagtag 180
 gtgtctgcca tcgccttggc cttggctaac aatcggggaa gctcttgact accgatcaag 240
 gtaagagcaa accgatccat ccacatggct ggctcttggc gtaaagagta gatcacctt 300
 cctctagcct gtttttgc 318

<210> 36364
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36364

agacaatgcg aaactttgac nctctaccct tgtannaccc aacttagaca cgcaccggca 60
 ctaccaaagg gataaagaga atttttcatt gnatggacnc aaccacacgg gccaccgagc 120
 ccatcaagag nacacaacac cccgcccagc ccggaacac ccacacaggc agaacacacn 180
 acggacacgg cccgagcnga ggccagcaac cgcaggagga accgacaacc acagaaagcc 240
 aaggcgaacc aaaccagcca caaggacccc gcacgacgca aggcaccaan cacccaacca 300
 cgagcngccn ncacagcgca cgcgagagca aacaacacga cgaccggcg cgcaaggggc 360
 aaagaccgag aaaaacacga cggggaccaa cccaaaagag caaacaagca gagcnccgcg 420

<210> 36365
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36365

agcttatcaa ggaagctacc tagtctangt anagaaacat gtgtaacact tgttgagac 60
 tttgatgaat gatagtcttg cgagacacaa ctcaaagttc aacttctctc cctcttttat 120
 tccttcaatt tcgtgctccc ccttctctc tttctttttc tccattaaag catcctcttc 180
 aagcttctta tccaagacaa ttcttggtgg tgaagctctt tcttcttgg cttattccct 240
 agtgaatggt gcctcccctc tctcttctc ctttgcttc cgctgcatct ccatggtgta 300
 aaatcaccat tgaaggacct cattgaagct caaagatcca gcctccatag aagccccaca 360
 agcaagcttc ca 372

<210> 36366
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36366

agatgagctg ctccaagggg tatcaaaggg ggtacatang tgnaaactct taagccncat 60
 cgncctcgag gaaccctcca tctctggcaa tccatacccc acaacacaac cacatgaaac 120
 tcgatgttcc gcacttcggc ggcattggatc cttttggttg gatcttcaaa ataacacaat 180
 tctttgagta tcatgaaacc ccagaccatg atcatctcac catagcttcc atctacatgg 240
 aaggacttac actcgctggt tccaatggat gatgcaaaat ggccagattt cctcctgggt 300
 aggtcttctt caagccttgg acgcccgttt tgcagtgtct caatatgagg atcctacaag 360
 tatttgttta aactcactca caaaggcact gtaacagaat at 402

<210> 36367
 <211> 327
 <212> DNA
 <213> Glycine max

[illegible]

<210>	36368
<211>	278
<212>	DNA
<213>	Glycine max

<210>	36369
<211>	461
<212>	DNA
<213>	Glycine max

gcgccctccc	ttgattcnat	tgccttgcac	nncctgcaga	ttctgtaaaag	cgactatgcy	60
gcatgcaagc	ttgtaagcaa	atgaacaagg	ttaaagttag	ttatcctgcy	cagagcacag	120
gctggtgcyt	atattatcca	tcattccccy	ctttatcata	gcgggtcaata	gtgataacct	180
ttgcttactt	cttctgtagt	ggaatacgya	ttgcgaaaaag	gttttgctct	tttcttttcy	240
gactaaaaaac	atgtcacctt	acttgagaac	tgteccctgca	aagatatatg	tacatatata	300
tacatacata	tataaataag	acagaagaga	aacaagcgat	tctatatata	tagtagcagc	360

cgtaaagcgg caggagggca taaaagataa agatccatcc atcgcgaaaa aaacgacaaa 420
gacgttgtgc ggaaagagta aagaaagaca cttgacatac c 461

<210> 36370
<211> 661
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36370

cccccccac caaacctgc aaggaataat aaaaagaaga atntaaatac ttttctcntn 60
cnnnnnnna agggcgnggt ttgaatcgag acaatgcnan nccnganana tanaaacaca 120
agccccgggcg gcgnaçaang acacactcaa cacgcaaact ctgggattct caagcgngag 180
gacagagaca cggcgaggcg ggcantactg caccacaaaa gactccgaga gacntnctct 240
gaccaggaac aacacataaa acatgcgaga acgtacatgc acatggcaga agacagtact 300
gagaggggaca cttgaagtaa aactgaggc agggccgcag tcgctccgca agataacacg 360
acaaccactc tctcgacggg ggaagaggac gagatcgga catgtacacg aaccgggcag 420
cacaaaatac aagcagtcgg gcaacgacaa gcagcacaa aacgccgata gaagttcatt 480
gtgtagtcca gaaggacctc agaacgcaag attgatggcg gcgtgacgca ngactagacc 540
caagcgcagc acaagacact catcacgcgg accttgata atgtatcact ggatcaaaga 600
gggatcacat agaacaggcc caagtacgag gaaacaagac cggacggacc gacagacaac 660
g 661

<210> 36371
<211> 285
<212> DNA
<213> Glycine max

<400> 36371

agcttttatg cctcagatct tcttcattat tggagtcttt cgcttcttga agatcagtgg 60
tagcataata gagaaggaag atagatgatt ggagatgcc cttcaaggag aagatgattc 120
aagaacaagc tccccacat aggaagccat tgattaaagc ttgtatgtac gaaaagatga 180
gtggaggggag aaaaagaaaa agagcaagaa aatttttgcc ctaatgaggt ctaaaacttt 240
gagtggaatt ctgaaatgga taaaagtga aaaaaaggcc cccca 285

<210> 36372
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 36372

tacaatcatt tctataaaga atattattgg aagcatgtct taatttgctt acgaaatcca 60
 taccttgtgg gtcgttgaat ctcagttgag tcagttctgc aatctcactc agattcttgt 120
 tctaataaga taaaaaaaaat gaaaccaaga gtggaaaggg ctttccacgt acgaatcaga 180
 cacaagccga ttccacgttc acaaaatcac cagtttccca acctttttct tatcatcaat 240
 tgtctctttt tattctcact tccttaaate aggaatagca aagggaaagt ggccatgcat 300
 atgcaagcac ccacaatcag tcttaacact gcaagggtccc catcttcatt agctgcagct 360
 gccaatgctg gcctgcgacc gcacctcatc cctatggctt taaagtcac tttcttatgt 420
 agttccctta acctcttact tcac 445

<210> 36373
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 36373

tggaagtggc ggctacaagt acgaacgatg cccagggatg ccaactattt ggtgcaacag 60
 gaagagggaa cattagatgc tctgagcttg gtcttccttg cctctggaaa attaaactgtg 120
 gggtcattca tattccaata gttccttatg atataagcta agtcaatgac cagccttatg 180
 ttttcatagg aggtaagagc atcagatcca actcccctcg atctacacaa ggctgtgatt 240
 aaagctggga agcctaatacg agaagagtta gactgagcca taatagtcaa ttgtgcagag 300
 atcaaactac caatgtgcat gtccatcctt gtgattaagc catagaccaa cctac 355

<210> 36374
 <211> 261
 <212> DNA
 <213> Glycine max

<400> 36374

gcgcccctga tgagcatgcc cttgaaagcg gcaaaaaccg gccggcagaa taataaggac 60

gaaacggggg agacggcacc ccccccaaac ccagccgcca accggaaaag gacgaaaccg 120
 caaaagcaca aacaagccaa cgggcgaaga gcccccgaa ccaccagcaa cggagcgacg 180
 accggacgaa gccacgaaac ggccagcaca cgacagcccg agaagggacc aaaccaaaaa 240
 agaacgaggg ggaaagcaaa g 261

<210> 36375
 <211> 625
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36375

agagcgctac ctttttgatt taatgtcat agcnannnac gngacactna tagaatacat 60
 caagccttgc atggtaganc acagaagttg acaataagtg aanaccaaca tgttaccnna 120
 ttgngtgtac tgaancacna caggcgccat gaaacatggg tgatcattgt gtatagacta 180
 gtacatatgc gctcacccca cgctgagatt gtgcctactc agaggctaga taccacacct 240
 tacggaccaa tgagcccatt gacttatgtg ctatatatct ncgcgaggag agtcatctga 300
 tcttctcaat ttaacgggtc aagagcgaaa cactatgcca ctccaacatg tgacgacttc 360
 tatgaatgca gatgncatca actcacccca tctcctctat gtcttcactg tctcgggcag 420
 tatcgatta gtgcagaaag atcctcagta ctatgcttca tcgcatcagt gaggtcgaaa 480
 agacgtgcgt tnaagatctc tattgtgtaa ctaccacata ttaatagact acgcactgct 540
 tattgactct cgcgagcatt cgtcatgaca tcggagagcc tagtcttgaa cacttgcac 600
 gtgggctatt aaacacacat tcgcg 625

<210> 36376
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36376

tgtaaataatt tattggtata atttgcttgg ccattttgct ctattgtctt tagaggttat 60
 ttctctgttg acatcttttg tcttgaatgg aattgccatg acaggtttat tgttactgtc 120
 tttgatattt ggtagttgat attgtgttgc gggaggtaat tccgattgga ttaactcacc 180

atccttcact ttccaatttg ttatgacatt tgttggtgga tcacctatga tgtcttggtt 240
 ccaagggtaa tctatatacct ttctgatggc ataagcatga aaccaatcaa agaaaaggac 300
 attaattntg cctctttcga caaatcga gaacttgctc tggatttggt ttctgggtgt 360
 acccttgtaa tgttggaata ccatatcctt tgagggtcat tctccggaga ataaaaatct 420
 tt 422

<210> 36377
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36377

aggagtcana tctgatctct gnnanatcaa gacctngana gaaaacgcag cgtgcnagct 60
 nagagnctta caccaagaag cgnaccttgc gtttttaana agaaccacac caaccggacc 120
 atgttggtatt ggtggggagc cctcttgacg gagactcaag cactgtatcg aggggaatct 180
 ccactaaagg cctgcgcaac acaacaacat aaagacttgc ttagtaaata aggcaccttg 240
 aatctaagca aaaaacaaca ctctacttta actcaacttc acgatattct actttttttt 300
 actggcttca cgatattgta ctagaacag gtaaacttca tgctaaaaaa ctaatctcaa 360
 gaacgaattg tcttttactt tttaaatacc acttatgcga atgtcgatca gaaaacaaga 420
 cactcataaa tggagaaaaa aatgtgatga ccatttatca agcaccg 467

<210> 36378
 <211> 242
 <212> DNA
 <213> Glycine max

<400> 36378

catggccggg ctaacctaga ccaattgggc cacctgcatt cccacattcc aggtctggtag 60
 cctagagcat gaaggggagt gtgttgaaaa gccacttaat cacgggtcaac ctagctcgcc 120
 ttagatacgg cctcattggg ggctgacatt ttttttatca gcgaaaatat ataatcatat 180
 tgaactgagt tccacaggta ccaaggctac aatttaatac atcaagcaaa aggttccaat 240
 at 242

<210> 36379
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 36379

ggaacaacac aggggagttt caagaaatga agagcccccg gttgatgcat ggacggagat 60
 gaaaaagatc atgaggaagc ggcattgtgcc ggctactaac tcacgggact tgaaattcaa 120
 gtcctcaaaaa ctaacccaac gcaactatgg ggttgaggag tattttaagg aaatggatgt 180
 gctcatgatt caagcaaata ttgaagaaaa tgaggaggta aatacggctc gattgcttaa 240
 tgggttgact aacgatatct gcgatacctg cagcagcttg ttgaaaagga tgatttgctt 300
 cccaaagcac tcc 313

<210> 36380
 <211> 283
 <212> DNA
 <213> Glycine max

<400> 36380

ccacaagcac accgggggtt gaaacctgct accccacaac acaggcgcaa tatctgaacc 60
 gttgaaaaag atgagagtcg ctaggaaccc cacattcaaa atcctgtatc agtcaatata 120
 tgctgaatat acaacatgca aacacgtaac gccttaccgg aatggaatat agcttttccc 180
 aaaacctata ccatcatgac aaaaaagcgg ccggccaaga tttagaggag cattaagaca 240
 cattatcatc taaagaacag atcaactcct ttccaggccg cta 283

<210> 36381
 <211> 122
 <212> DNA
 <213> Glycine max

<400> 36381

tattgagttt aggggtacaaa acaactagta tttaggaagg agcactocat tcattcttat 60
 cccaggaaac aatactcact tagtccgtat atataaatgt ccttgcatga cgtaccgcaa 120
 ac 122

<210> 36382

<211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36382

aggaataagt tgaaactgag gactttgcan nacgcgacac tatagaaact cacgcggcca 60
 aaatgatcgg ccaaacaaga ctttttcttt tagttccac gcaccacacg aggacacggg 120
 gaaatttgca gccaccactg accccctcgg accacaatgg caaggacacc cgaggagaca 180
 gaagattcag agtcccttat caaagctcag acggaagaag cccccacgac catggtatga 240
 cgctcggact atcaagaaga agaagaagag ggactcccct ccctgccttg aaaaactcac 300
 gatcaccctt gctcaacgag tggaccaacc ctgatcttct cagacgagtg tacacataac 360
 gcctctaggc tgggccca cgaacatgg gtcggcacac tgccgaacag aacaaagcga 420
 cacaccgaag gaccatatag ggcgccaagg cggaaccc 458

<210> 36383
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36383

caattccaca gacngccctg gggaatctaa agatgtaact ctccacacgg ttcttgaatt 60
 tctcaaactg gtcctaagtt tttctaaaag ttataactct tctaaatggg tgtcttgacc 120
 agacatgaag agtctataaa aacaaggctt tgttttgcat tacaattatc ttgaacactt 180
 attcatacaa tcctttacaa gccttaaatac tctttgaact tcttcttctt atttgaacca 240
 aaagccttct gaagttttct ggtctcccaa agcttgaaaa cctgtgctat tcatcttttc 300
 attctcttcc ccctttgcca aaaagaattc tc 332

<210> 36384
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 36384

ttataaaaag acttgcttct tcaagccgag gtttttacct ggcaaccact agcactcggc 60

tgggattgtg ttcttatttt ccttgcataa acgtacatct tctaagctcc attttcttga 120
 agaattatcg tcctataatc acgtaagtga tcttttaaca ctactatctt tactatgaat 180
 attatgacga aacttagtaa ttaaagatga ttgttttaca aatgtatatc aatgttctaa 240
 cactaaactc ttgatatatc aaattcacac gaaaatatat atttcggatt ctgaaaaaat 300
 tcatactttt gttgaaatct tactgctatt aactcaataa cattatctta ctttcctt 358

<210> 36385
 <211> 485
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36385

ccgcccacaa gcgaaaaagg atnttntttc aanaatcaaa ggtgagaagc aangnaacnc 60
 anacaacgaa aaggagggggg tggatgagca tgcacaccan cnnanaaann naagacacgg 120
 caaacaaaag ggaaacaaag aagagaatat tattttaaac gaaagggacg acggaggagg 180
 gaggggacga gaaaacaaac aggagcaaaa aggacaaaag gaagccacaa acaagacgag 240
 agacaggccg aaaaacaaaa aggtgggagg cggacaagag acggaacagc gagggcaaaa 300
 caaagaacag gggaagagcc cgacagcggg caaaggaaga gaaaccagac acgcgaatgg 360
 aagggaccgg aggaaagaaa gaaagaccgg agccaggagc ggagaagcgg aacacgggga 420
 acaggggacg aaagcaaagg cacggggccg aaggaaagac aaactaaaag gaagaaagaa 480
 aaacc 485

<210> 36386
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36386

ggcctcanag aggtccagga aggacaaggc ggccgaagga acatgttctt ccccggagta 60
 cgacagtcac cgcttttagga gcgttgtaga ccagcagcgc tttgaagcca tcaagggatg 120
 gtcgtttctc cgggagcgac gcgtccagct cagggacgac gagtatactg attttcagga 180
 ggaaataggg cgccggcggt gggcaccact gggtactcct atggccaagt ttgatccaga 240

aatagtcctt gaattttatg ctaatgcttg gccaacagag gagggcgtgc gtgacatgag 300
 atcctggggtt aggggtcagt ggatcccggt cgatgccgac gctatcagcc agctcctggg 360
 atatccgatg gtgttggaag agggccagga atgcgagtat ggccagagga ggaaccggtc 420
 tgatgggttc gatga 435

<210> 36387
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36387

gcctcgccca caccagcgta cgccacatng acgggaagga gagggagaaa acgatgaanc 60
 aaagaanaga aaagatgtta taaaccnccc ccaagcncgc aaaggctttg aagcatacca 120
 gnacacgcga nncatanaac gaccgcagcc tgcaagcnag aaagaaacac caaagncgaa 180
 gttaacaatg gaccacgcg gaaaaacaaa agcgaaagca gaggacacaa ctgcccact 240
 ggccgacacg cccacgaatg ataaagcacc gcggagaaac agcaggacca ccgaaacaag 300
 gggcacagac aggagaaagc cgcgaaacaaa cacacaagca aaccaaacc cctgcggcac 360
 gaccacgaac acaaaacacc cacgcaacaa gcgaaccaga agaggcgcgaa aaacaccaca 420
 agacacgaaa cgctcaaaac ggcaagcaac cgcagcgaca acaagcagag cagggcccca 480
 cacaagccaa acgcaaagca cacacaaagc caccc 515

<210> 36388
 <211> 228
 <212> DNA
 <213> Glycine max
 <400> 36388

accccttcca ctcgcatata gaatattatt ctagagggttc tctctcacat tgacgacaaa 60
 taaaactcac ctgttaaggg aaaccatgca ttaatatcac tgatagatta tcaacacttc 120
 cgatttcacc acaaaaccct ctataatgta caatcacatt cacaaaatgt catacaatta 180
 tctcgcgaca taataccata atcacatctc tactctgtta caaaacct 228

<210> 36389
 <211> 240

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36389

agctttgcat aatgagaatc tgttcctcta ataaactctg caacttanca tctgaagtct 60
 gggagctttg agcagatggg gttgttgata ctggcgaaga gggaacacca gctgctctgg 120
 acctggtttt ccttgccctt ggaaaattaa ctatttggtc attcacattc caacatttgc 180
 ttttaataata ggccaagata atgaccagcc tcatgctctt gtttagctgta agagcatcag 240

<210> 36390
 <211> 461
 <212> DNA
 <213> Glycine max
 <400> 36390

acctatagaa actcaagctt gagcttgccc tccattatga gcatggagga gtttgtctca 60
 tttgtggcct ggccaggaga ccagtcttct ggctctatag ggggtggggc ctccacaacc 120
 caggagcctg tgactaagga gcctgcagca gaggaagaga ccactccagc tcagactcct 180
 cagccatctc caccatctga acctgctcct gacgagactc aaccatcatc agcactggat 240
 cttaatgaag accagccaca ggaggagcag gacgtttaat tttttttttt tgcattatga 300
 acactttagt tttatttcag ttattttatg ctttatgtca tttaaatttc agcttttata 360
 tttcagtagc atagttgttt gtttgcttga acaaaaagct tgattgaaca gtgaattgat 420
 tgaacattgc atgcagtgga ttgtttggta tggaatgagt g 461

<210> 36391
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36391

ccccacaccg caaacgacgc aggaaaagga taaanatgan gttaaaggga gatagagacg 60
 aaaacaacaa aaannntnna annccaacag cagccacnt gatgcagcat agaagaccg 120
 agannccaaa acgaccgagg cagcaacgng cacaaaagaa acaaagccgt tagcacaagc 180
 agcgcgcccg aacggggaaa accacagcca acccccaccc ccagggcggc ccacagaaaa 240

<211> 135
 <212> DNA
 <213> Glycine max

<400> 36394

cacacgtact gccaaaggtgt attagttact tacatcacac acatatcctt ggctaaattc 60
 acatacatgc atactcaaag cattttgggg gacaaaaaat tgcacatgtg cacatctagg 120
 tattcataat accta 135

<210> 36395
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36395

ccgccccct ttggatttga tgcacatggc annancncan ccatanagaa cacaagcccg 60
 gngcgcagan cccacgagca ggacgaggca ccattttaat taccctcgaa ggcaaagacg 120
 accggacacg ggaggattat acgaaaaccc ctctcgcaag accagaggaa actcacgcag 180
 ataatgacag atcacccaaa ggagaccgaa gactcaagcc gagaaccctc taggaagacc 240
 aggccctagac taatcacgaa gcatggaaca acgagaacaa agccgaaact aaacacgcag 300
 atccctcgag agagactaac gggcaaaccc gcatggacca gagggtaaag cagcaagaca 360
 cagcccgatg cgaaagggac gcaactatgc acacgaacgg gcggagcgga ccacaggcac 420
 accaacagaa cgcacggacg aggcatgaac acaagaacca agcaaggcag ggacgcaana 480
 cccg 484

<210> 36396
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36396

aaagcccacc ctaacgcata caacacctta tcataagtag aataattaag ggtaagacca 60
 cttaactttt cactaaaata agcaattgga tgaccttctt gcatcaacac agccccaatc 120
 ccaacatttg aagcatcaca ctcaatttaa aaagatttta gaaagtctgg caatgcaagt 180

atgggggcat tagctagctt tagcttaaga acatagaaat cttcttctag tttatctaca 240
catctcacac caacatTTTT ttagcacttc attgagaggt gctgccaatg tgctataatn 300
ctacccaaat cgcctataaa accttgctga accatgaaaa ctcc 344

<210> 36397
<211> 358
<212> DNA
<213> Glycine max

<400> 36397

agcttttata ttttatatgc aaggaagcat gacttatgcc taggaatcta aattttggtt 60
ttgaatgtaa aaaggcatga atattaggac atgtttgaga ggttttatta gaatttaaata 120
ttggctgccc catgaggaat accttgccacc tacgtagcat ggaaaatacc tttcaacggt 180
atgtatatat gtgaatgtat atggcataaa aataccttgc aaagtgtgaa tgaatagcaa 240
aaaatgcctt tcaaaatatg tatatttggtg gataggtagc gtaaaaatgc ctttcaaaat 300
atgtatatct gtggataggt agcataagga gctctctttt tttttaaaaa aatgtacc 358

<210> 36398
<211> 207
<212> DNA
<213> Glycine max

<400> 36398

ttccatacca ctaaacttaa ggtcgataat ggaacgagat gataaaagat tggagtaccc 60
tttctgctgg acgaccgaat aatacaatgg ggaagacgac aatgaggatg gaatgggtgc 120
taaggatgcc ctaaaggctc ctgaccgacg agcacttgaa gccgtagcgg aggcggaaaa 180
accctttcat ttcttagaca attctgc 207

<210> 36399
<211> 352
<212> DNA
<213> Glycine max

<400> 36399

agcttttttaa ttctcatgac tgctttaaat agctacataa tttgggattc ctatgaccaa 60
gaacatcatg acaattggga ttcataattt ggctgtttg ttgaatgttg ggcattgcat 120

aggctccttgg accaaatttt gatgactatc tttaatgggc tggtaaaaga ggctaaattt 180
 tttgcaacat gcaatctacg ttagtgcatt tgggtgaagg taacacatat ttaagggttt 240
 ttgggctcag cagctgattt ggaataagaa taggtgtttc acttctgttt ggtgcaaaag 300
 caataaatca agggatatccc taacagagag actgagagat gaggtaactt ta 352

<210> 36400
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36400

acactttaga aactcaacct ggatgttctt agattggata tcttgcccaa cagacangtt 60
 cttctatatt tgaaaaacca gacccgagga ggggttcaaga tgtcgagagt ccgtctttca 120
 tgggcacaca cacagactgc atgcgcaata atttggaaga accaaaacaa gataactctt 180
 tcatggtaat ggctggaggt ataatatgac ttatgttttt gcgtttttgc tcaatgccct 240
 gtgttccatt attgtagttt gcaacatcac aggttaaaat tttaatctag catttggtat 300
 taaagcatta atagcctctg ccttgttcat ttttggtttt cagtatttat ttgatttaac 360
 ttccgttatg gtatctagag cctcatttgt tataaataag atgacaaatc tcttatttct 420
 ggtcg 425

<210> 36401
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36401

agcnttagga aaaccaagcc aaagagctgg ctgcattatg ctataacagt agcaatggaa 60
 atgaaaagag caatttggac agtttgggtga aggccatatac tggagtatct gttgctagtc 120
 aacctgaaca tacaaaggtc agcaaggcca aacagaggcg agagaaaaga gctcaacaag 180
 aagcagaaag ggagcagaga atccaatcag agcagagtga cattataagt gatcgatatga 240
 ttgagaacga gaaattggaa aagaagttga agcctcttgg tttgactgtt tgtgaaataa 300
 agcctgatgg gcactgcctc tatagagccg tggaggatca gctggccctc 350

<210> 36402
 <211> 399
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36402

tgaccaatcc cgacccaacc cgggcatagn cttttgngtt tacctatgac gtacctaaac 60
 aggtgagctc ctgtcagtc accaataaaa gaacaaagtc caciaagcaa ggaggcttgt 120
 gtggcggctg gccaaactatg aatcttgagt ggtatctgga atttggcctc tgataatcga 180
 ttaccaaggg tgtgtaatcg attgcaaggc ttaaaaatgg agacaggaag ttaagatggc 240
 ctctggtaat cgattaccaa ggggtgtgtaa tgcattacaa ggcttaaaaa tggagaaagg 300
 atgttaaggt ggctctgggt aatcgattac caatgctgtg taatcgatta cacagagtaa 360
 caagacactg gtaatcgatt actagttatg tgtaatcga 399

<210> 36403
 <211> 348
 <212> DNA
 <213> Glycine max

 <400> 36403

agcttttttac caaaataaaa attataaact gaaattttaa agctgaaaca taaagataaa 60
 tataaagact gaaacataaa cataaatcta aattataaaa tgtagtaaag acgagataat 120
 aataaaattg ttcaaaaagt atggaaataa aaatcctgat cctgtcaatg atcctatgca 180
 tgctcattca ggtccagtcg tgggtgcagat gatggatcct aagaaagagg cagggtccaac 240
 actggtgcag atggcttaag ctcatgctga ggatatggct ctagtactac aagatcctcc 300
 tgaacaataa ctgaatcagt ctcaaaaatg aaagactcag gtggagtg 348

<210> 36404
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36404

gacacttaga aactcacct tctctctgat accatttgct ctcaggncat atatctatga 60

gtgnagncta taaatcctgt cagcaggccg atgctacagt tactgggtat ttcttccatg 120
 ttcatgcat cgtaagtttt aacaaactat tcatgatttt acaaagtgtg tgtgtttgtt 180
 ctcaccctaa gaagtactga atcgcttctc cctcttggat tcgcattgag atcttgtcaa 240
 agatagtaaa tgcttagtta ttgactattg ctcacaaaaa tgattattct ttgggggtata 300
 accacatggt ctttttgact ctcatgatat ctatctattc cttattaata ttgcaaaggc 360
 tagcctcaaa caatcatggt gcactgctga tctgctaata cacattgtta atat 414

<210> 36405
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 36405
 ttgcttttaa tcaccatcgt acctccaaac ctatatacat ccactcactc taacaacaat 60
 ctcacagcct gtactttatt tgtatttact aataacttat ctttaaaatt aattaagtct 120
 aatcatgaga aaattaaaaa atcttaatca agtgaattta ttgctatttt gtgattgaat 180
 tttaaatata aatttaacta atacctacac tatgttgcac aaagataatg taaatatgta 240
 ctgacttata taggcaaaca atgcaatttg tgtgatgatt aaagtgtgat taatagtaat 300
 taatcataat acctttgtgg aggattgagt tc 332

<210> 36406
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 36406
 aaagttattg gcgggggaat ttgctcagag gttcaacatt caatttcgag cgtctcgtta 60
 tattacagga ctcaatcaga catccgagta aaaagttatt gtcgtttgaa ttggctcaga 120
 gcttcaacat tcaatttcga gcgtctcgat atatgacagg acgcaatcag acatccgagt 180
 aaaaagttat tgtcgttgga attagctcag aggttctaca ttcaatttcg agcgtctcat 240
 tatattacag gactcaatga gacatctgac taatacgtta ttgtcgtttg aattggctca 300
 gaacttctac attcaattac gagcgtctcg atatatgaca tgactcaatc agacatccga 360
 gtaaaagtta ttgtcgtatg aattcg 386

<210> 36407
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 36407

agctttctct aaatttacat tgatgtttgt atttatggga ggaggttgta tgtcattttt 60
 gttttaagag tagtgtccca ctggtaaaac taactttcca aatgtttgcc ttcgcaggaa 120
 atggccccga ggaagcttgc ctcaaagagg tccaggaagg acaaggcagc cgaaggaact 180
 agttccgctc cggagtatga tagtcaccgc tttaggagtg ctgtacacca gcagcgcttc 240
 gagggcatca agggatgggc gtttctccgg gagcgacgcg tccagctcag ggacgacgag 300
 tatactgatt tccatgagga aatatggcgc cggcgggtggg c 341

<210> 36408
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36408

tcttgcgtag ccgctcttgg tgctcagaac atccanaaa cttatccctc ttattactag 60
 ctattttgaa ttctttagtt cctgaatgta caactttcaa attgttggtc gttcccctct 120
 ttgttttatg caaaaaatga aatcaatatc aaacaaaaca tgcatacaat tgtcatcggt 180
 attgctactt gaaccataag gaataccatc taaagaagta cttcaaaacg tttatttatt 240
 ttttttggtg ttttttgaat tacaatttga cttcaatatc taatttttta atgtacttag 300
 gtggaggatg ttgacgaaga gaacgagaag gaagaaagta atttaaagaa gattaaggaa 360
 gtgtcacatt tttttttcct cagcaaggaa gtgtcacatg aatgctcggt ggtgaacaag 420
 cataaggcca tttggatgac agagcctt 448

<210> 36409
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36409

ccaccacccc aagaaacgga atttnntaat ntaaaacaag ggataggaaa aagagagcaa 60
 aaannnaggg gcgggacgag tgaatcagca tgcaaacaag cgacacgccc gggaccgaac 120
 aagaacgaag aggaacttta tctaaccana acacacccaa acaggacggc aaacacgaca 180
 aaaaacgaag acggaaaacg aggaaaacca acaacaacaa cacaacagcg aagcaaggaa 240
 atagaaaccc aagagaaaca aaccgcagaa gaacagaaga caagacaaga aagaaacaaa 300
 aaagaaggaa aaagatgaac cgaacaaaca caccgcccaca agagcgaacc agaacaaccg 360
 aaaaaaaccc gcaaccaaga acgagaagaa cggcgagacg aacaaccaga ggggagcg 416

<210> 36410
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36410

cgtggggcat atgtacttta agtgagagag aagatattta aatantggaa taataattaa 60
 tattacgagt aaataacata tacaagatg attaattttt acataatcaa tcacatatta 120
 tcatataatg taaattgatt gatagtaata ataaaaatat aaaattcata ttaattatga 180
 ttttaagttct aaacattata gatgatatga taaaaaaaaat gtgtataaaa atgagaaatt 240
 aagcaataat gagagaaaat aaaattgaat aatgaaagag agaaagagtg tgaccgtcac 300
 agcttccaat agattggtgt tgtcgtgcaa gtacttgagg acccatgtta gaacactcgc 360
 tgtggtgtca tgtgcagcaa agatgacacc aatgagatta tcaacaactt gagaatctgt 420
 gtgctgctga tagtacatct tgttc 445

<210> 36411
 <211> 186
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36411

agtnntatgg aggacaanac aacgccgctc tccgggatct taaggaaaaa tcaactccact 60
 tacggtgacc gatcctccgt taacatcgag actgcacttc atccaaaatc cgaccacggt 120
 tccaatgcg tgtatgtcta cacaacgtga cctacttgat actcctacca gagaaatcac 180

<210> 36412
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 36412

cattccaact actatacgtg aaagctcgga gagactaagt gttaaacaat actcgggctt 60
 ctgagagata gggggagtcc aatgccgtgc ctgaaatgga atttagaaca ctcgataag 120
 cggcaggcca gaatatatat atagtaatcg agatgtgaca aatggtaatc ataactcatg 180
 tgttaaggaa aactggacgg aactcaaagc gaaggaacta cttcaaggaa acagattcta 240
 catcgatcat acgcgataca taagggatc tattagcact atctgccctc cttgt 295

<210> 36413
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36413

ttcacaacaa agagaagaga ttaatgaatg atcgaagana tcattttttg tggatgncnc 60
 ctccacctgg ggaacgtgac aatcactaac aactcatct catgctctca tgatggcttc 120
 ctctttaagc tcagttctct gccaatcttt gcacaacaaa agctctcaaa actctctgga 180
 acttgacct ttatctctct agaaatctct aaacatgaaa aatctttgag aatttcctaa 240
 actccctctc catttctgat ttcaggctta aatatgtggc cttgttggtg cttgtgcgct 300
 tagcgcaagt ctggctcgct tagtgcccat aagtgaatat cggcttaacg ctgctcttct 360
 cgcttagccg aatcatgcag gtggtgcgta tagtacgatg agtccttgct tacacgtgtg 420

<210> 36414
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36414

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aatcgaagga ggaaaagatg tatagaagtg gaactctgac gtatgtctca caagactctc 120
 attcatcaaa gttacaacaa gtgttacaca tgcttctatt tatagactag gtagcttctc 180
 tgagaagctt tcttgagaaa acttccttga gaagcttctt tgagaaaact tccttgagaa 240
 gctagagctt agctacacac acccctctca taactaagct cacctccttg agaagcttcc 300
 ttaagaagat tcaagctaga gcttagctac acaccccta taatagctaa actcactctc 360
 atgactaaaa acatgagaat aatataaaac agagtcctta ttacagagac aactcataat 420
 gccccgaaat acaac 435

<210> 36415
 <211> 622
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36415

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 tcnagcctcg cgtcctctct tacancctgc agtatgtaga agcaagattt ttcacagtag 120
 tatggnaggc nngagcacia gccgcggaac cgggagatct tcttatagag gaacgctgct 180
 ctactcctc cgtctcggca gacacaaaga gctcggcaag ttttgcaact agcgctgata 240
 tgaatcatag cttgtgtcac tcggactcac aacaccaact cctttcgggtg aatctctggt 300
 gcacgctcgc gcgtgtacag aaaagtttct catagcaaca gagaacatcg atataacagg 360
 gagacgcacc tcaactcttga ctctctacta aagtgcata ttttcgaaag taaaagtatg 420
 ctagtctagc acccgtggag catgtctgtg acgacatgaa acgtccatgc caacgtgagc 480
 ggccagtgc ccatatggga gaaaaaccag agagacacac gtgagacact tagagcgggtg 540
 gtgcgcacac ttggagaaca gagtcactta tacctntcga ctctactcag gtccaaacga 600
 gcgtatccgt gcatctcacc cg 622

<210> 36416
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36416

taagcagtga tcaaacttgc tctttggaac tggctttttg aatttatcag caggatngag 60
cagagagctg atgttattaa ctgagattct tctttctgac cgactgaagc gatatctaac 120
atctatatgc ttgattctat catgatgaac atgaccttg gctaagcata tctttcagga 180
ggatatgtga cccttttttg tctttgattg attccaaaat tgagctgtgg aggatcaggt 240
tcagcagcca aatgagacaa tagcattgga atcttctgat ttctcacctt cttgaagaac 300
tactggagat gttacagaat gaccctcttt tttctagtct ttggtgatag attctacatc 360
cttttctcga tgagagtggc agctgtatgt accagcaatt tgaacctcaa gcttgggatg 420
aaac 424

<210> 36417
<211> 355
<212> DNA
<213> Glycine max

<400> 36417
agcttttttag aatatcaatc tttataagca aagaggaaaa atctatcatg acaaaaagtt 60
gtcaaaaagg aattttcagc ttggccaaca agtattgtta ttttaattcta gattaacatt 120
gcttccaagt aagctgaagt gcaagtgggt tgaccattct tcatcaaaaa agttatgcca 180
catggagcaa tgatattgga ggacccaacc accaaaagga catggactgt gaatggcatt 240
agaatcaaac actacttagg tggagatttc gagaggctaa ccactgttgt ccaactgcaa 300
gaagcttgaa cccaacaagg acatccatct attaagacgt taaagaagcg ctctt 355

<210> 36418
<211> 407
<212> DNA
<213> Glycine max

<400> 36418
ttgctatttc aagcttgaac cctaccagca gcattcatta ggttctaaaa tcccaaattcc 60
caatagcgtc taattatagc tcacatatct ttatttcttg ttgtcaaaac tagagttatt 120
ttggatgtaa aagctaaata ccttgggttg gtagtcaaag tagttaaata accccacatt 180
ataatgcaat acttgatccc tatatgttat attagtacag caaagcagct gctacaccaa 240
agcaaatagt ttctatataa catgctcaaa actaaagtac taaaatcaaa actggacaaa 300

cagatatagt aagaattttc ttctataaat tttaatgtac attctgtaac atgctacata 360
tgaatatattcc aaagtgaaca aatgtgtggc actcttaatg gggcaaa 407

<210> 36419
<211> 249
<212> DNA
<213> Glycine max

<400> 36419

agcccgttgc ctttcacata gcataggttt ttcatgggtg atcaacctag gctgtggttg 60
caaatttgag aatctctcca ataacaaaat atgaaccaag tagtaaaagg gtgaccaaag 120
agttacctct tatcatcaac caaactaact actgctttct tcaacagacc cacatcattt 180
tggatgtcgg cttaaaatat cggccgcaaa gctgattatc tacatcaggg aaaacaaact 240
tgctcaccc 249

<210> 36420
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36420

aaatgtttaa ttatacagtt tatccaaata cactgatatt ttatcacatt nncnctgtag 60
tgggtgtagt gagtcaaatt tctgaatatt cctatgactc ggggtcatgt aattcgagtt 120
ttatatgtaa actgtcacca tacctcatgg aaaaatcact ttcaaccaag ttacgtgcct 180
tggcatcatg ctggaacttt gattttgtga gtacatatcc aaattttgaa taacaattgt 240
gatgacattt tggctcctttc ttatttgtga cataaagagt ctgaatatac aatacttgca 300
gttacagttc tccgactctt ttcattcttt ccatctacca aacttcatat aacaagtaga 360
ctctctattg cttcacctct tcattttcat tcttcttggt cttcac 406

<210> 36421
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36421

agcttgactt aacttgnnaa aataatccga gtggagtttc atatttgagt ttgtctattc 60
aattaaatat ataaatttga tcgaatattt tatatttaac ccgattcatt tacatcgcta 120
ttcaattata tgtaaactcta tctattagat ttttatcacg ttaatattaa aagaattatt 180
attactagaa aatttttaaaa aatattaaaaa gggagtacaa ttatataaag tgtttatcag 240
atcaaattga ttcgataaat ctgataattc aaatcaaact aattaaatta gtttgggttg 300
attggttaat tggttcgttt tactttaatt atgaaccaa ctgatt 346

<210> 36422
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36422

ttgcntttcg gcattgcaaa caaaatacgg cttcgtggca ctgaaattcc tgactctcga 60
attgttcaaa aaatacttgt aacaattcca gaaaaatatg aagccacatt gacttccttg 120
gagaactcaa aagatctttc tactatcacc ttggcagagc ttttgaccgc acttcaggct 180
ccggaacaaa gaagactcat gagacaagaa ggtactactg aaggggcttt ggtagctaaa 240
tcactggaca aaaaaaagaa gggcaagtca cgaagtttca accacaaaaa tggtagcaaa 300
tcctctcatg attttccatc atgtcctttt ggtaaaaaaa acaatcatct acagacgaag 360
t 361

<210> 36423
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36423

ccgccgccga caaaaaagga agtagaaagt taaaaaaca aagaaaaaga aaagagccaa 60
aaaaaacggc cagagacgtt gatcgtgctc accaggcanc ggccgggagg aaacgaacga 120
ggggacctgt ttaggacca gccagcgggg gcaacgacaa gccacgaaac cgcgcaaaaa 180
aaccaacaca aaaacgacgc gcggcgaaaa caaaaagaac cagcgggacg cacaagggaa 240
ggggcaaaga cgaaaaaagc ccacaacgca gaggaaggcc gaaacacaag gaaaaagacg 300

agcagaaaag gaaagccgag acagaaacgg gcgggaacgg ggaaaacgca gaaaaaaaaag 360
gagcagccac 370

<210> 36424
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36424

tattggaggg agaattattca atccgaatca tggtaacnttt tgtaacgaag aatcttttttg 60
cggcttttag atgaggacag gtacgagcct ccataaagcg acacacaact cccaccgcat 120
atagaatatc gggcctcgta ttggtttagat accttaaact cccacaaga ctcttgaaga 180
ccgtggagtc taccttctct cttcatcaa actttgataa cttcaagcca cttccatag 240
gtgtgttcac gggattgcaa tcaagcatat taaatttctt caacacttct tttgtgtagc 300
ttccttgtga gacaaagatc ccattctccg tttgtttcac ttccattccc aagtaatatg 360
acatgagtcc catatctgtc atatcaaatt cagcagacat ggactccttg aagtcttcaa 420
acaaatttgg gttattg 437

<210> 36425
<211> 371
<212> DNA
<213> Glycine max

<400> 36425

agcttgtgct tttctattga gtgacttgat gcaattaagt gtttttctct atttaagatt 60
gtttctgtgt tctatgtga gggcaattgt accacacacc gattcctcat gtgaatggac 120
taattctatt taaacctcgt tctcagatgt ctogtcgaac ttaacctaaa cgaattgcat 180
tacgattaca acatattaaa aactaaaacc ctacactctg tgtccagtaa tgcagttatc 240
tagccctgct ctatctaatt ctaaggattc caaacatttt ccaatgctaa aaatcctaac 300
tttacacaca aatggatgat cagaccaaaa gcatgcaaga attaagtgca gataggagca 360
atgaacacat c 371

<210> 36426
<211> 427

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36426

gaattgtata atatatatat atatccatgn gggttttatac gattntttta catacgcgtt 60
aattttttat atatgatacc cttacatgaa tgggtcaaacc tcaaattgat tttttttttt 120
gtatgaataa ctctcatggc ttggattttc tgatttttagt tataataatt aacaatatgt 180
gtgtgagtgt tagatagata taagagttat tattcaaagtg ttttaaatatt ctaaacggat 240
ttgcagcggg aaaaatgttg atacgtgtca taccctgatt tcgtccaggg attatcggtc 300
gttgatcttt tgatccttgc tagtcgactt acgggtactga tcgccagtta caatgcgaaa 360
tagatgatca ttcagtgttt tgattaagaa tgcaaaatat accaaaatag gggcaaaagg 420
gtctttt 427

<210> 36427
<211> 199
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36427

agcmttgata atcaatttcg agcgtctcga tatattacgg gactcagtca gacaaccaag 60
tgaaaagtta ttgtcgtttg aatttgctca gagcttcgat attccatttc gagcgtctcg 120
atatattacg agactcaatc agaccaccga gtaaaaagtt attgtcgttt gaatttgctc 180
agagcttcgg cattcaagt 199

<210> 36428
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36428

gagcatatgc aaacgacaat cactttttta cttggatgtc atantgagtc tcgtaatatg 60
tcgagacgcy tcgaaattga agaccgatgc cctgagcaaa ttcgaacgac aataactttt 120
tactcggatg tctgactgag tcccgttaata tatcaagacg ctcgaaattg attatcgaag 180

ctctgagcaa attcaaacga caataacttt ttacttggat gtctgattga gtcccgtaat 240
 atatcgagat gctcgaaatg gaataccgaa gctctgagca aattcaaacg acaataattt 300
 ttactcgta tgttcgattg agtcccgtaa tatatcgaaa cgctcgaaat tgaatgtcga 360
 aactctgagc aaattcaaac gacaacaact atttactcgg atgtatgatt gagtcatgga 420
 atatatcgag atgctagaaa ttg 443

<210> 36429
 <211> 213
 <212> DNA
 <213> Glycine max

<400> 36429

gggtctgcta ctgaacaagg cgaactcgcc ccgggaccta acacggcctc ttactcaatc 60
 ctagcatatc caatacgagg gagataacta tcttgaatgc acaaatgcta ctcggattat 120
 cctgataaga atggccagaa gggcacaaat aaaagagcgg aaacaagctt ctaaaataag 180
 agcccgggac aaagttaccc aggtaagaac ccc 213

<210> 36430
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 36430

tgctaattct ggtgtgcaag actatttata atccctaaag tcagaaatgg atccagagat 60
 ggaatgtgtc actattgaaa tatgaatatg aaaaacgttg agaagaaagt ttaaaagcag 120
 ccaaatggga atctataata gttcctactt gtgacttggg tgaaaatgaa aacagaatga 180
 acatagcatg taaaagaaat ttcaaaattg agaaatcaag aagatttatt tattgttttg 240
 gaaggaagaa agtttgggaa gagggatatca agttgtccta ttccttaatc agagtaccgg 300
 tgaaggccaa ccagcccaa taccttgttt gacaagggca aggcaattca atcttaccta 360
 ccaaccttca catggccatg tctagaaatt cttgagcctt acgcaaaatt tttgtttgag 420
 gcataatcta a 431

<210> 36431
 <211> 422
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36431

ccgagagcat ngctcatttg agcgttacag cctnttttnc tttgttgctt aagaaaaang 60
ccatcgcgtc ttctttcttt cttccaaagt catctctaac gtcccaagca ctttctccat 120
caccacagc cagcattagc caccacaaac caccgttggt ctccattgaa accccacacc 180
gaggggaacc cttcaaccgt agtgaaattt tccaacttgg ctagcgattt cggtagagaa 240
tgaaacccta atctgacctt tcattttcct ttgaggtaac catgattcca tgtttgtttc 300
agcttgtctt tgcacttttt atgactttgg aaccaccatt gcatgttgta cgcttccttg 360
gtaaaaccaa aatgctctca gctctttcat gaagtaacat ggggtgttga cccagagcat 420
tg 422

<210> 36432

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36432

ctgaaatnga ggggtgggga ttgccctgn atntttctat ttattacttt ccttaacacc 60
cttgtgttca ttatgttcga taaataaaaa tacttttttt ttttttgta tgtgcatgag 120
agtttcaatg ctagttgtca cacaaatgta ttacacaaaa gtacctatca cataaagagt 180
ggctatgcaa ttcagaatgc atcaagaagt tttagattgt gtggctacat tctttggaac 240
caaaggcatt gcatggaaaa attactacat acccatatct aacgggaatt tctatttacc 300
tgcttgcttt ttttgaggga gatgtcacca catgttatgc aggatggtgg aagtagtcaa 360
tattgtatca tcatcatgga ttttcgcaag aatattactc ggtgaaagag cagtctatgc 420
aatgat 426

<210> 36433

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36433

taccaaanca caaacctcat ataatgtaga acctcatatt tcatcaatta attctattta 60
 atatattata ctttctaaaa tcagaaaaaa tatgcgata gcatttatct aatatttgag 120
 atgtttcatc aagattaaaa tatcccataa tttacaatt aaaatcattt gatttatatt 180
 ttataaaaat tattaagtag aacatgtgtc taaaatgttc tcctgggtgca tcttcctaatt 240
 gtgtctaaaa ttatatgctg caaacacaat ggtgagtcatt tttgaagagg caaatcttaa 300
 tacagtttta caagtgtttt gagtgttgct aggcgcacca ctcacat 347

<210> 36434
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36434

ggagagccac cgcgcggtgg ngtatgaggg ggacaaggac gagccaaagc gaaagcggaa 60
 gccatgaatg atcgaaataa agctaatttt aaaaaatggt cttcatatcc caaatcaaca 120
 aatcttgttt ttgtgcaaaa acttacaaat ggcatatctt gcatttcatt tgttataaga 180
 actgtgtttt ccaggataag gaatagtggg ggaatgatcg gacgttctac agaagggaat 240
 ggccctttatc ttcttgagaa gcaatgtatg tcggctatag aaaaaaacta gtctcattca 300
 tgtcagagtc tctacttcca acaaggaaaa gatttttact ctttcattat cagttaggac 360
 atccctcttc t 371

<210> 36435
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36435

agenttttaca tttccaggcg taaaaccaac ttgagactta gtttggtctc atgtatacca 60
 tctctctctt cttttatata tttagtgtgt taaggcattg cagacaatga ttattacatt 120
 gtctatgctt ttggcaaaaag catatatata taactcaagc tatttggtta gtagctagta 180
 acagatacta tatatgcagc ttcagtagta ttttgaattg cactttctta gtttctctga 240
 aaattacatt gggttttaggg tccaatgccca tgtagttgat tgcctacact gtcggttcat 300

tgtgctgaga tatcaacacc tatatttctt attcatttat cattgttata t

351

<210> 36436
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36436

ggtcaagctg tctctctcct atttgtatat atatatgtnt tttgaattaa ataaaactaa 60
gcaactgagg gaaaagtttc tctcctcaca tattcaaact ttaagtgtat gcatagatct 120
cctacaggta atttagttcc tctagacttg gaaattgaag ccacgttaag aaagaacaaa 180
gccgaaagga gaaggaaatt gttgcaagac aggatagtag catccatttt agacgaagaa 240
gttcaatctt gtgattcagc atcatggaga ttattatttc tattccacaa ataaattgtg 300
atttgtgtcg aagagagcat tacaaggaca attgttatct ctattccacg aataattctg 360
ggtggagaca ggagtttaat ccttaccatc attatgaaga agaaaa 406

<210> 36437
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36437

agctttcctc tttttgncca ggacagacaa gggggcagat tgaactaaac ccgctccaca 60
ctatgatagt caccgcttta tgagcgcggt acaccagcag cgcttcgaaa ccatcaatgg 120
gtggtcgtta cttcgggagc gacgcgttca gtcctaggac gacgagtata ctgatttcca 180
aaaagaaata tggcgccggc ggcgggcacc actggttact cccatggccg agtttgatcc 240
acaacttatg cttgagtttt atgcctatgc ttggccaac 279

<210> 36438
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36438

agcagcggtc agttttattc ttttgtactt gcancactta gaaatttgac caagaggcaa 60
gagngnaagg aaagaaagaa anacaggacg ctttttgcgt tttctccaag cacncagnaa 120
cnggagagcg gggcgagctc aacaaagcca caaccaggca agaccgcnaa naancgccng 180
gacagcgagg aacaaacaga gccagcagca gaagaccgcc naagcggaca aaacnaaacc 240
aggacceaac caccgaccgc aaagagcacc ncgcgcacgc gcagccgaga ggaaagccac 300
agggggcccg gacaacaaaa gangangacn cagagccaca acgacagaca ccccagcagc 360
gaacagaacg ccaagagcag caagccagaa agacccgaga aanancgcgg aaagccagga 420
ggagcccaac cgaaagggac nncgacaaga ggagagcccg aacccaaacc cg 472

<210> 36439
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36439

agcnttanca tgatatgcac tctatctctc aagtgtctat gctattgttt actctcaaag 60
caccatgaa aactgtaaca tcctagaaat ttctaccgg agttttcgga aacgatgtat 120
tttgaatgat tatatatata taagtattat tcagtgtata tgcaaataata tgttcttggt 180
agaaatagga gtagtggggg caagatacgc gggtaggct aattaaggaa gagaaatcca 240
taactgggag gttatgggtt aattcttaag taattagtct aaaaatcatc gttttgcatg 300
cgacttaaaa ttttaacgaaa ccaacctctg aaccacgctc ggggttt 347

<210> 36440
<211> 243
<212> DNA
<213> Glycine max

<400> 36440

gttgcccttac actcatcgtt ataccataag aatagtcaca ttatgttcta aggatgtgtt 60
gaatattcat tctgcggatt gaaatctaga aacatctttt catgtatact agtctttctc 120
tcctatatt atgaacattg aggctaattt aagcaacgaa ttcagttcat aacatgttct 180
aaaactattc ttagatatga gctttgtag agaactcttt cttcttttgt gatctctaata 240
gta 243

ccacgccagc gcncgantac naantanaca gnacgtgaaa agtatnnngt atnnttnant 60
 tttcnnnaaa atnaaaatga atnaantaat agaagaaagn gaagcatact ccantacaaa 120
 gcncnnnttn nanannanng nannagaagg gannccnncg gcagagcgcg gnacgttttg 180
 acantttggg annagcnant acgccnnana nccannann nnnnaancn nnnngcnncn 240
 cacgggggagc anacacganc gaaaacgaan gcacacanag ccagcgagcaga cagcgacacn 300
 tntctatgca ttgctatata ctacacaaat gacctgaccc gccacacgag caacacgaca 360
 gcgagaatga cagcagcgac atcgacagac acagaagcag cagngagcca aagaacctaa 420
 cggagaacaa cacacacacn acacgtatgc acgcaacgag ggaataaagc gaccgcatag 480
 ctcgaggagcg gcacccagac cacagggaca cgcacaacct aggcaccaa ggacaaaaga 540
 atacagatcg cactacacaa aatactcagc agacacgccc acactttctc acgaagcgac 600
 agagacgagc atacactata catccagcaa cagagtacac ggagtgcgcc gcacacgcca 660
 gacagcaatc cgcggcctcc gcgcgaacat caaccggaca caggccact ccanagacag 720
 aagaangaca gcacaacacc cgccgatact aaaggcacga catcatcaac gctaagagaa 780
 agaaagaact gtgacgcaac cacantactc gacacc 816

<210> 36444
 <211> 472
 <212> DNA
 <213> Glycine max
 <400> 36444

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 accatcctat ttcaagaaaa cagggcagag gcagagaact ctgccccaaa cacattccaa 120
 tacaacagct ttccctactc aaatacccca gtaacattct ctttggtccg attcgttaac 180
 cgttggatcg actcgaaaat ttactggag gtccctagta cataattcta cttttgacc 240
 gttgggatct gctagaaaat gttcataacc caatatgtac tacctttccc ataaccagca 300
 atgcacaagc attttttgca caagaacaaa aattctgctg cacaattcaa cagcaatttt 360
 ttgcataata ggcagatttt cgaaatccct cttgccctca tccaattttg ctcaaattgg 420
 atcctacaag tcctaaatca tatataaaat gtatttaaac caaaaaaac tt 472

<210> 36445
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 36445

agttttctca agaatgcttc tcaaggaagc tacctatctt ttttatagaa gcatgtgtaa 60
 cacgggggtgt tactttgatg aatgtgagtc ttgtgagaca caactcaaag ttccacttct 120
 ctcccttttt ctcccttcaa ttctgtgctc cccctctctt ctttctctcc ctctttcttt 180
 tcctccattg aagcatcctc actcaagctt cttatccagg cgagctcagc tcgcccaggc 240
 gagccagggt gcttcctcca gaagcaacag ctttctggag gaatcttctg gagggcccaa 300
 gtgggcctgg ttgctatttg cccccctt tttactaagt acacccctt gccttttttt 360
 ggtgattctc ttttcataaa gttacagaaa cttacgaatt tcgtaacgat acttgttttc 420
 tttccgtaat gttacggaa 439

<210> 36446
 <211> 201
 <212> DNA
 <213> Glycine max

<400> 36446

agctttgtat ttccttttag tagggaatct ttccttcta agatggagcc aaacctagtc 60
 cccctcatta agaactagct catttcttcc tctattgccc ttagttgaat acacctttgt 120
 ttggttctct atttgggtct taaccctctc atgcaacttc tttacaaact ctgacctaga 180
 ttcccttctt ttatgtataa a 201

<210> 36447
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36447

aattagggat catagttatg aacaaggcca tattgaatcn taaggataca accaagagga 60
 aggcattggac tattatgaga cctatgcccc tggtgctagg ttggaagcta ttatattgtt 120
 gcttcctttt gcttgataa taaatttcag gttatatcaa atggatgtaa aagtgttttt 180

ctcaatggat atattgaaga aaagatatac gtggagcaac ctctaggttt tgtagacttc 240
gatcatccta atcatgttta caagttgaaa aaggcactat atggattaaa acaagcacct 300
agatccttaga attctctagt tctatccaga aagagttgga gatgtctatg atgagagaat 360
tgactntctt ccttggactt caagttaaga aaatcaagca tggaaccttt ntatgccaaag 420
caaagtacta cacataat 438

<210> 36448
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36448

ggagccaggg gggcccttgc atactngatt ccaaccatat gtgatagccg cctatgacac 60
cattgccact tcccctaagc tcgttatctt ttctttccac tacattccat gccttacata 120
ccctctgaag agtctttgca ttatcttcat tgaaacctcg tgcgatgaaa ggtgcgatgg 180
tatacctccga tggcgcacct ctcatagggt aaccaacta tcttatggct aacacgggat 240
tataattaaa gtccctatca gaaggatata tgggaacctc tcacatgagc ataacactcc 300
tgcccatcct tctttccatt gtgggaacca actaatggac gcgcctatca tgccct 355

<210> 36449
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36449

ctaactaaan nccacggaga gagatagtga ctactcaaaa ccaacggatg tgccttgatt 60
aagcccatct aatctatcta attaaaccaa ttacacaaaa taaagcccaa actcgtagcc 120
caattattca agtgcagagg ttctgacttc caagctcaat ttaaccctca aaatggcaga 180
attggccaaa tcttatttgt agaaaaaatc gaacctcttg ttattagtta ttgagggact 240
actcacacgc tccatttgga gttctgaagt gtcctataag cctgcacaa cgcacatagg 300
ccaagtagca caattatcaa ttaagctcaa agaattttct aagaccaaga ctatgttaaa 360
gtg 363

<210> 36450
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 36450

gcacaagggc caccgaaggg gggtagatcc tgagaaccac tcatgactga ccctccaaag 60
 tgaagatgcc cagattgcaa ctatgggcca caaaattcgā aaagctgaag atgaaggagg 120
 aaaagtgtat tcatgacttc cacatgaaca ttactgaaat tgccaatgct tgcactgcct 180
 tgggagaaag gatgacagat gaaatgctgg tgagaaagag cctcagatcc tcgcctaaga 240
 gaattgacat gaaagtcact gcaatcgagg a 271

<210> 36451
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36451

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 anagggggcat gggagtctct atcttantca tatgtaaatc atgcatcatc atgtagtgtc 120
 aggaagattg tttctaaagt tagaaacatt tgcagtgcac aaaattctct gttttaattg 180
 attttaaggt tgctcgcaat cgattactta agtggttgta gcattcagtg agattctaata 240
 ttcgatttaa tcgattacca gttattcgta atcgattata caatttagtt gagaccatgt 300
 ttgggttttc atgagtctct actttaatcg attactaggt gatcgtaatc gattacttca 360
 ttcttanatt tgctccaaaa gtgatcaaga tcaactctaata cgattaaatc aagaatctaa 420
 tcga 424

<210> 36452
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36452

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aatcaaggta ggaggaaatc ttcaagtctc cgtgccattg ttttagatct cactgccatt 120
 tcaactgtttg ggtttgaggt aagcttggtt cgtgcctttg tacatgttca agttgttttg 180
 acttaatctc tagtcggctt tttgttttca atgtatttgg ttcaagagcc cagtgcagtt 240
 ttgtacatgt ttaatcaata ttgataagga ttatgaagat tagtgttggt tgaagggatt 300
 acatattgaa gttgggatat gtcgtcttgt ccagttaaac ctacgtgtta tgattgggtca 360
 ccctggccgg atagtctggt tgggtagttg tgaactagtc aactagttgc tgtgttgaat 420
 tgaatg 426

<210> 36453
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 36453
 agctgtctcc tttttctcat tttatgcata acatgcaagt tcatatttta atttaacggt 60
 tactaacaag actaaaatcc gtaataagat gaaaaataaa ttctcaattt aatacttatt 120
 agtgtatatt taaaagaaag ctgccaaaaa ttagtaatta ttgattatca ttgggacatg 180
 taagaaagac attatgtgtg ctttttttac tgagacaatg ttatttggtt taatagacta 240
 ataatgtaat ttaacatatt gaaacatcaa attataaata ttctgtacaa aattaatggt 300
 atatacgtgt tggatgtatc ttttcagcat aaaaagggtc ttggatgt 348

<210> 36454
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 36454
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 tgtgtatcaa tgttcttatg gtcatagttc tatgatacct gttgattagt tgtttttggt 120
 tcaagtgatt ttgtatatta tggttcatgg ttctggactt catgattggt tgtaaaaaaa 180
 tagtaatatc aatctttgat gagagggaac aggatgcata gatttgaatt gagtgtttgt 240
 ttctttctta ttcagggaag agaccgagtc aggtgagtgt gagacaaggg attcgtacag 300
 cgattcctac agtgaagaga gtgagagtga caaactatgg aggtgggatg gaacttcgtc 360

ataagaagga ggatctgagc acgattgttt gtggcaca

398

<210> 36455
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36455

ccccccccc caaactcact tgaatcaaag aaataaagag aaatagaaac nacnaaaccc 60
aaaanaaggg aaaagtaagt tcgagcgctcg caaaccaagg cgaaacaaca cgccgcggga 120
ccccagaacg accgaagcag caagctttca cacacacgca ccaagcacng gggagcgag 180
aaaaccaaga cgcaccccac cccgacaaaa ccagaaaaca acccccacg acccccagg 240
acaagcacgg aagcggcggg caagaaaaca cacacacang agaccacag gacaacgaga 300
ccgcgaccca ggcaccacaa acaacgcaaa acaacaaacc acccgaccac cagccgcca 360
gccaacgaac caacaaacaa caacgccaca caacaacaac cgagacacgc agaacaccaa 420
cacaagggca aaagcccaga gccaacccca cacgaagacc aaacaaaaca caccacccc 480
cc 482

<210> 36456
<211> 224
<212> DNA
<213> Glycine max

<400> 36456

tgaatctcag acttgaggtt atttgacgtt ccatatatat cgctgatcg aacctaggt 60
aaagtatgac cattgaatct ttagactccg tgatcatttc gagcgtttat atggagacct 120
tatgacctcg gtgaaatatg accttgattt cagacttcgt gtcaattgga cggatgaattt 180
tgcgccgacg gaatctggaa agtatacata gaatctcaga ctcc 224

<210> 36457
<211> 343
<212> DNA
<213> Glycine max

<400> 36457

ttacttttat aagcttgctt tgatctaatt ctgtgaagga ctcaatttca acaatgttgg 60

[illegible]

aaaggaaaag tcagaaggac aggcgagaaa ggatcacaga gaacactaga aagaggggagc 240
 actgggtcaac acccaactgc gtctccacgg atataaggca caatacggat agacacccga 300
 cactcaatat agacactccc aacatatcga gatagaaacg gagaagacta tgtagaagat 360
 acagcccacg tcttagataa cagtgcagga aggacgcaca tcgagactta taagagaaac 420
 taaagcactg gcaaacatac g 441

<210> 36463
 <211> 168
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36463

agcnttttat atatcgaggc gctcgaaatt gaacaacggt aagtcttgag aaattcaaatt 60
 ggtcataact tttaactcgg atgtccaatt catgcgcatt acatatagag acgctaaaaa 120
 atgaacaacg gaagctctcc agaagttaaa atggtcataa gttttcac 168

<210> 36464
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36464

ctttgggacc ttgaacaggc aactaactcc tctntcaaaa ctatgctatg tgctcgcgac 60
 tgggtcccttt ggtcctttcg caacttgagt tcaactattgc taccatag agctccgcga 120
 aatttggtcc ggccatactc ttccttgcca gccctcttgg tctcttggtc aagggctctt 180
 gcggtaattg cattctcttc cgttaacccg gcacactcct tccgaacgtg tgtagcggcc 240
 aacttgaact tctccttggc aagttttgcc tttcctaact cgctttcgag agcttggact 300
 tcttcgtcct ctttcggtgc ttcaaaactc tctttgctga cgacttttaa cttggcgagc 360
 caatctaaac ctcgtatatg aactttcagc cattcgtggt accaccaat gatgccat 418

<210> 36465
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 36465

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agctttttta actatnngct caaaaagcca cgggagtaat tttttattag tttttaacgc 60
tttttaaacg ttagttgaag tatcattttt taaaacacta atatttaact tttagttttt 120
atattttctt tcatttttat ccttaatata cttgtcaa at ctcttactta tcttttttaa 180
aataaatcat aattttatta ttttcacgta tttcaatagg taattttatt aaatacttat 240
aatttaataa actaaatttg gaatttcagt tattaatttt catgaacata acctagggtca 300
aactagagct ctttaaaaag tcaaactaga gatgc 335
```

<210> 36466
<211> 422
<212> DNA
<213> Glycine max

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<400> 36466
cgagtttcac gccgagtttt tacatcgagt ttctccggtc tgacgacggc gtggcggtga 60
tgagtctgga gtcacacact gcatgtaaaa gtctgggtgc tctgggtccg gcgatgaacc 120
tcttcgtcca tgcgagcgaa tctgttctcc atcgtcagtt tccactccaa attctcgcg 180
gcgctgtcca attcttcatt cacgatctcg tgtagccgct ccttgacat agtcgcaacc 240
ttggaaacga aaacgatata acttctctaa gtctcatgcc ctcgacggcg gacttggaga 300
ccggtggggc gccgtaacgg atacgattgt actcggcgag gtgctcctcg agaccctccc 360
cgtagaagta ataccctggg gtgactctcg ggaagctgta cgttctctcg agtcccttat 420
tc 422
```

<210> 36467
<211> 126
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36467

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agcnttgatg ccgatgagca agtcatcacg cgcgcgctca aggaactcgg cggcggcgcc 60
ggccaccccg ccaagaacga cagcattccc cggccaaatg gcaccggcac tggccggcag 120
cccccc 126
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<210> 36468
 <211> 251
 <212> DNA
 <213> Glycine max

 <400> 36468

 gcgcattcacc cgctcctacc gcacaggccc ggattttcca tagcggatgc atgggtctttg 60
 cagggcggtta tatctctcat aatttcacgc tactactaaa atacttatgt acaacaatca 120
 cttgacctgc ctgcatgcgc gctgtgact gtccccccagg cgactgcacc acctcagtcc 180
 tctattagac agtatattatc acatgactct gtctgtactgc cccggctctt ctcttataat 240
 cgccgcttgt a 251

<210> 36469
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36469

 actccttgat cagcagcacc cttgtaggca gcngccacaa gcgaaaagca tgttttaccg 60
 acaaggccgg ggaaaacccc caaaagcgcg aagaaaaaaa cgaacacgcg aagggcggca 120
 aaccggaagc cagagagcga ggccaacgcc gagacgacac cagaaagaaa gacgagaaaa 180
 acagccagcg cggaaaacgc gaaaaaggca acaaaaaccg aagacggaca gaaaaaaaac 240
 ggaaaacaaa gagac 255

<210> 36470
 <211> 508
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36470

 agagcancac cnnccnttt tgagccaata gtannancac acncnattag annannngnc 60
 ngggggagct agcatgcctc ggattcattg gnaccacaac cagattaatc tgggtccattc 120
 gacaccncca accacgcaga gntatttgta gagatacact agacacctca cgttcnacag 180
 gtatacagta ttaattacgt cagcctaacg cgacacacta cctatctcag ctactaacgg 240

atctacatga acacgctaca gagcaggctg ctcgtaggcc aacaaaacac atccctaacg 300
gccttaacgc accagagcta agaatagaata atgggtctatg gagacaggca ctctacagca 360
tatgctacgg tgtactacga ggcgatctac acaccgtaca tgaatatacc accgatccgt 420
ctagggacgg accccctatt ccttacgant atagacaacc cctacactga atagtagacc 480
accctactac acaaccactc ttttgccc 508

<210> 36471
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36471

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gtaggggtgtt tttccattat cacctcctca tgcagcagca aggatgattt cgttcagatt 120
tgaatatgcc acccaattgc ctccctgtgt cttttgagga cctctaccaa cttggggaca 180
tactctactg aggactccat actgatcact acaagctcgg actcgttctt ctccaagaac 240
acatacttaa tgtgggtggg ttaaattctt aatatcaact tgggtcttcac ctacatgagt 300
gtttacttca tgatctaagt ct 322

<210> 36472
<211> 274
<212> DNA
<213> Glycine max

<400> 36472

ctggaataaa aagtaatacc agactcgtga ttctaaagct tcacccctgg gcgattttga 60
aaacagcact tcctggaagt cacgggaatg aacgcccacc acaaccatta actggaaacc 120
aagctcatga tcgcgttaaa gacattgtaa ccgtgtttgg gaagtccac aagaacacat 180
catctcccaa caacatgtgg aagaaacgct caatattcat tgatcttcca tactgggtctg 240
atctatatgt gcgacactgt ctacatgcta tgcc 274

<210> 36473
<211> 511
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36473

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cacctgcagc atgcaagctt atttatccac aattntgcat atcatctttt tatttgacta 120
танататтаа tggttggttg ctсagtatta atttcatgta tattttcctt tccttatagt 180
aaagagtatt tgagtagaaa atggaatcat ggatgtggtg tttccttctc ttgttccatt 240
tgctcttcct ttattttcca cctcttcatt ccttatgccа ccccatgac acctctgcct 300
ttgtccact tcaaaactcc ttcactatnt atgaacatcc ttattattct tatttttggtg 360
atactggnta ttcanagacg аcaacatgng aaaatgggac agatngttgc tcttgngctg 420
gagtcacctg ccaccccatc tcaggtcacg tсactcagct cgacctcagc tgcaatggcc 480
tttacniggca tatncatnnc aacagtacgc n 511

<210> 36474

<211> 239

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36474

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agcaagacat aatttggtga tgcagcactt aattaccaac ttatatgaaa atgatatgcy 120
gttatgcaaa atccacatca аcaaaagtgaа ggccacgtca atgtccattn gaaatgggat 180
tttcttttta actatccgtc catgcanaan atgagattta acttattcga agtgtaatc 239

<210> 36475

<211> 367

<212> DNA

<213> Glycine max

<400> 36475

attctctact асatcatcac ctgcatgcct gaaaaagaaa gcatgaatgt gccatatcca 60
atctcccttg tgtcttactt cctactttaa ctgttatcat ctttgcacct gtatacacia 120
cttctgatct tatttactcc cccatgagtg ccacagttct тааттасctt gcgaagcata 180

taattaggta taataaatta gaagtaataa tattttatta gaagaacata tatatactac 240
ccatgaaaca tgcttagtat tttagcttat tgaaattatg aattgggttt agatatggat 300
tcaccttgta ttggaccatt gaattactct tctctgcctt ttatcccatc atcttgcttc 360
ttcttat 367

<210> 36476
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36476

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taacatangc accaattata gaataaattt tgagccanaa caacaagcac acttcccttt 120
cacttttttt tttcctggat actgattttt ctgccaaact gtgtgatttt tagtattttt 180
tccatttata taaatcactt ggttcttttt gtataactgt tttccagatg tctaanaaat 240
tcagtaaaca tttcagctaa naattcaaag taaccaattc tcagtaattt ttacaagttt 300
gtatgtccaa gctgccagca ccagcgattt ttttttaaac atggatatatt gattgccttg 360
ggcttacttt caaccttcct atgtatgttg aactcactag tattgtttac cacagtnta 420
ggagttcaat attcact 437

<210> 36477
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36477

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aaaggcaagt ttgaatacgc ctccaacgct ggccccaaca gcaatagaag agccccagtg 120
gtgggcacat ggaanaagga aggagatacc cacgcggtca ccactgcccc aacgtggatg 180
aaaacgcccc anaatgctca naactcatac caacacaacc acccgaactt ctcgatccga 240
gccgggagtt ccttcccaac tcaagtagaa gggcctgccc tgacgaaaaa agcgtntgca 300
caacacgcgg ctccagccac accccgacta gccataata cgactcctaa cacaagctat 360

gacaatccgc gacgccccct gagagaccag ttctcttcta ttcccatggc gtattctg 418

<210> 36478
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36478

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cctggttcaa gcacgacttt ctttttgctt ttgttggtt gccttgcata gctcacattt 120
ttcttttcaa tttgagcctt cacttgctca tgcaacttct tcacatactc agctntagcc 180
tgtgcatcat tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240
aaaggattaa atccatatac tatctcaaat ggtgaacaat tagttgtgct atggacagct 300
cgattataag caaactcaac atgaggcata caggctgtcc aagatttaag attnttctnt 360
aatacagtc taagcagtgt tcctaaagtc ctattgacta cactcagttg accatc 416

<210> 36479
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36479

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ggagcataaa ccacagagtc tagcgacaag tgcataattt ttattcatgg ccagttgggt 120
tactaggtta accaaggcat ctagtttacc ttcaagcttc ttagtctcag ctgatgaaga 180
tgaattcgtg gctacttcat gcactcctct aatgacaata gcatcatttc tggcactaaa 240
ttgctgggag tttgaagcca tcttctcaat taaatttctg gcttcagcaa gggtcatgtc 300
tccaagggtt ccaccactgg cagcaccaat cataacttctc tccatgttac tgagtccttc 360
ataaaaaatat tggaga 376

<210> 36480
<211> 371
<212> DNA
<213> Glycine max

[illegible]

<210>	36481
<211>	385
<212>	DNA
<213>	Glycine max

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aactttat	cacaaggatt	atttgtgaac	tgtttgcctt	gacgatatat	ctggttta	120
ctttctcagc	agaagagatg	gtggttta	cttttccatc	acttaccat	cacagtatca	180
cttttttttt	tcttttctct	ctatctctct	gttatttcca	tctcaatcta	cctcaacttg	240
ataaatatat	cacttctcat	gttacgacgt	tatgggtgta	atcatgaaaa	attgaaaagt	300
tgagtagata	aaggagtggc	actgcttttc	ctttactcgg	aagtcatgta	atgtactagc	360
tagganaatg	aaggaatgag	aaaag				385

<210>	36482
<211>	384
<212>	DNA
<213>	Glycine max

atcttgagat	tangaagtgt	agaagggtga	aacttcctgc	ttttattcgt	tggccacaga	60
gtggtacctg	gagatatgtc	gcgggggtca	ggagaccttg	gggacgtcat	gtgggggtgct	120
attgccaaa	accaagcttg	accaatcccg	acccaacccg	ggcatagtcg	gtcagtgaga	180

tgtaatcgat taccagtgaagagttttc

448

<210> 36485
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36485

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gaacaagggc acctccccac gtttaagtaa ttgtgaaatt taacgagggt tctatcacac 120
aatacaaatt aaacttctcc accaaagaaa cctccccaag aaacgcccac cctagtatat 180
tgccttgagc tataacacat tcttgttgcc ttgtctctcc tttttccttt ttttttttat 240
tggtgataga tagatagatg taataaaagc aaaggccgtg tttgaagaaa ataaaataat 300
gaataacaaa ttagagcttt ttaattgtct gtgcgaagcc tactgaaact tacatgtgca 360
aaacattgtc tcgataaaga taaaaataaa aaaattagaa gatgtcatct nattatttt 419

<210> 36486
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36486

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ttttaggcta tgtaagaaag aaacagacaa agccagtacg acgatgataa aggagcatta 120
tttgagacat gagtgctcgt aatgaatcac atcaagtata tgtgacatga gcacatgatg 180
tgtgccttta actgaaaaac attaacaatt cggaacacta agcaatccaa gtattttcct 240
ctgaagattc ttccattgtt taaattaaaa gatagaagtg atccatccac tgcagttggc 300
aaataatcta gaaattntgc aatttaagta cgtataacat gtaacggtga gagttcacgt 360
aatagaactg caaaactcac aaagaannaa agaattcaaa aacaacgaaa tggttagcac 420
ttggcagagt gtataacat 439

<210> 36487
<211> 392

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36487

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ctggagttgc tgcacatgat gtccaacgtt atgtcaaaga ataagatcgg gctgcacaat 120
gcacaaggca agataaagtg tcaaataag aattgaagct gcaggattca cgatgtcgga 180
tacaatgtcc aggacatcct gcccgaata actggagttg ctgaaagcat tgaagttgca 240
agatccacga tgtctgacac gatgtcctga catccggccc gaataactg gacatatata 300
tctgttatat ctntaacaga ttattgtgca gttagcaaga gataagatga tctatcttta 360
ggaacgaatt aagagataat tatagttcga at 392

<210> 36488
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36488

gtgtggaaga gtcagtcttc ctatctttat ttgtttacca cagagaggta cctggagata 60
tgtcgcgga gttacgagac cttgnggacg tcacgtgggg tgctattgcc canaaccaag 120
cttgacaaat cccgacccaa cccgggcata gtcagtcaga gagaacctgt gatgtaccta 180
aacaggcgag ctcttggtag tcaaccgata aaagaacaga gaccacaaag caaggaggct 240
tgtgtggtgg ctgcccagct atggattctg agtgatatct ggaatatggc ctctggtaat 300
cgattaccaa ggggtgtgtaa tcgattacta agcttaaaaa tgatgacatg atgttaagat 360
ggtctctggt aatcatttcc aagag 385

<210> 36489
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36489

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ttactctctg	gtaatcgatt	actagaaggt	agtaatcgat	taccagtagc	cagcattggt	180
ttcaaaactg	atttaciaag	ttgtaatcga	ttaccataat	catgtaatcg	attaccaatg	240
ttttaaaatg	ttagattttca	aattttcaaga	gtcataacta	atgataaaaac	atttttcaaat	300
catttttaaac	ttgtgtaatc	gattacacaa	tacttgtaat	cgattaccocg	tgtntctaaa	360
cattntngat	ttcgatntaa	acatgaagag	cacatctttg	atgtgaatcg	ataccatgac	420
tg						422

<210>	36490
<211>	410
<212>	DNA
<213>	Glycine max

ctgaggggana	acttgatgcc	ttggtcaacc	tagtatttat	cttgcccttga	atcagaaata	60
tgcacctgtt	gcaagagtct	gtggtctatg	ttcttctgca	gatcaccata	cagatctttg	120
tccttctttg	cagcaatttg	gagtcaatga	gcaacctgaa	gcttatgttg	caaacattta	180
taatagactt	cctcagcagc	aaaaccaaca	accgcaaaat	aattatgacc	tttcaagcaa	240
cagatacaat	ctaggttgga	ggaatcacc	aatcttaga	tggacaagtc	ctccacaaca	300
acatcagcct	gtccctcatt	tncagaatgt	tgttggtcca	agcaagccat	atgttctctc	360
tccaatgcaa	cagcaacaac	agcagtcaca	acaaagacaa	caagcaaccg		410

```
<223>      unsure at all n locations
<400>      36491
```

agtgatcacg tatgagctaa ctgatgcac tagactactc ctcaaggacc acccttttag 300
 tttgaggcct ttgttgctag tcacacttga tccaagtgtg attaagtcac ggtgtcaatt 360
 ctctacttgg ctcaacaag 378

<210> 36492
 <211> 387
 <212> DNA
 <213> Glycine max
 <400> 36492

gtcatggtgg ttgtgatata atcaatgttt ctatcttgtc actgcaaaat ttggaaagca 60
 aaaaagagga tccactacct atgatgttaa gtaacataag ggaacttttc tcttgctatc 120
 attctctatc tgtttttctc tctagcatac ctaaccattt tattaagtca aatcatattt 180
 aagttattaa tcttggtatg agatgacaat tattcactta agttccttgc agttaattat 240
 tagcattggt tttaaagggt agttagtatg tttggactat atataggata ctgatagtaa 300
 ttaaataaaa tttgttttgg caccttatgt gctaattagt acatttcgat agatttcaac 360
 catggattac cttcttacct ttcgtaa 387

<210> 36493
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36493

ttcttatgta cttgagagtt ntatcatttc gtgacttccg aagtttggat tctttgcctg 60
 attcaatagg taaattgatc catctgcgct atttagatct ctctcattca agtgtagaaa 120
 cactgccaaa gtcattgtgt aatttatata atctgcaaac tttgaagttg tgtgggttgca 180
 tcaaactgac taagttgcct agtgacatgt gcaatcttgt taacttgcgt catcttggtg 240
 ttgctgatgc tcctataaaa gagatgccga gaggaatgag taaattaaat catttacaac 300
 gtctggatct ctttgttgtg ggcaagcacg aacagaatgg gatcaaagaa ttgggaggac 360
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<210> 36494
 <211> 435

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36494

tgtatgtgtt acaatgttct taaatttcta tttagttttt aagaacaacc tgtctaggta 60
 atttttttca gaaagacttt taacaaaata agaaaagaaa agtttttcat aattacctta 120
 tacacaacct aatgatagaa gctctttcat attagttttt ttcaaaagat attttttaa 180
 tatgtataaa ctaacattaa cttatagata agtntattta attttttttc tttctatttt 240
 ctttttttac tagtacttct aaatacattt atccaaatag acccttaata ttaatatata 300
 tcaacaatac ttacatccaa atgatcactt aatcaagact tgaaattatt ttatataaaa 360
 taaccagatt aattaaccaa ttacgtgctt gggtttcatt tctaacaatca atattagtaa 420
 ttatttagaa ctttt 435

<210> 36495
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36495

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 ttcaaaaccc cgtacttaag gcattacact tctttatcat taagtggaaa tagttaaggg 120
 tanggaccac tttaactttt tcacttaaaa taagccattt ggatgggcct tcttgcata 180
 acacagcccc taanccaaca ttttgaagca tcacacttca atttcaaaag atttttgaaa 240
 agtttggaac cgcaagtatg gnngcattag ttagctnttg cttaacattg aaagcttctt 300
 gttgtttctg tccccatttg anaccaacat tnttcttgag cacttcattg agagggtgctg 360
 ccaatgtgct aaaatcattc acaaatcgtc tataanaact tgctaagcca tganaactcc 420
 tcactn 426

<210> 36496
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 36496

agctttcttg tggggccttt atggaggctg gatctttgac cctcaatgag gtcctttatt 60

gtgattctca ccatggagat gcagcggacg acaaaggaga agaagatgta agatgcgacg 120

ccatccacta tggaataagc catggaagaa agagcttcac caccaagatg agcctnggat 180

aagaagcttg gagaggatgc ttcaatggag gaaaagaaag agggagagat agagagatgg 240

gggagcacac aaattgaagg aagaaataaa tgagagaagt tgaactttga gttgtgtctc 300

acaagactct cattcatcaa agttacaaca agtgttacac atgcttctat ttatagact 359

<210> 36497

<211> 174

<212> DNA

<213> Glycine max

<400> 36497

cgtctcactt tcatgcagaa cacaaatgcc ttcacaaccc atgttggtct gtgagggtgtt 60

tgatgtccgg gtatagactt tatgggccct tctgtctct tttggttttg cttatattct 120

ccatgatgtt gattatgtct caaaatgggt ggaagccaaa gccaccagaa ctaa 174

<210> 36498

<211> 315

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36498

tcgtatccag tcaaggctct agagaccatt acaagtttct aacgatttct aattatgtgg 60

gccattaagt ctatcatatg ctgacaatag ccgagaagcc catgaatctc ttcnngggcg 120

gagtangtgt ctgccatcgc cttggccttg gctaacaatc ggagaagtgc ttgactcccg 180

tncaaggtaa gagcanaccg atccatccac atggttgcct cttggtgtaa agatcgatc 240

acccttcctc tagcctctnt ttccgcgtat acttgggcat attcgtcgc aatcctatgc 300

tcgtgggccc cggt 315

<210> 36499

<211> 341

<212> DNA

<213> Glycine max

[illegible]

<210>	36500
<211>	378
<212>	DNA
<213>	Glycine max

agctngagct	gggaattttg	atncatggat	nnctcaagaa	gaagatagat	agtgacatgt	60
ttgtatggtc	tgcattgatt	gaatagtatt	caaagtgtgg	acaaatgaat	gatgctgtga	120
tagtgttaac	agagtatcca	aaaccagacg	tggtcttatg	gacttcaata	attactgggt	180
atgagcagaa	tggaaatgct	gaacttgcac	atgcncattt	ctcccgaatg	gatgtgtttg	240
agctagtaag	tactgatcca	cgaacacttg	ttaatgctgc	ttctgcttgt	gacgcagtat	300
ctgattctaa	ccttggaaga	agtgaacatg	gaattgtcaa	acgaaagggt	tttatactaa	360
gtatgttttg	caattcta					378

<210>	36501
<211>	441
<212>	DNA
<213>	Glycine max

gcctcattaa actatatatt tcccgaaggg ttttttttta taagcctcct atttttaatg 60
gcgtgggtta ccattattgg aaaccccgca tgcaaatttt tatagaagca atagatctaa 120
atatctggga agccatagaa attcggccct acattccac tatgggtggaa gcaaatacaa 180

ccatagaaaa aactatgaaa gaatggagtg aagatgacaa gaaattagtt caatacaatn 240
 taaaagccaa aaatataatt acatctgctt tagggatgga tgagtacatt agggatatcaa 300
 attgtaaaag tgaaaaagat atgtgggata ccctacacgt aacacatgaa ggtacaacaa 360
 atgtaaaaag atctgggata aatacattga ctcatgaata tgnaatattt agaatgaatc 420
 ccaatgaaag catatatgat a 441

<210> 36502
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 36502
 gagaggagaa tgactgactc aaaccactta cagactagac gacagtcagc ggtgtactcg 60
 tgtccgcccc gtatacagaa cctatcaact ctagtgccta tgtacaaatt atcatacact 120
 tcaaattcac tctagaaaca aaaataacat gaaaaattga catacaaaaag gccagggttat 180
 gactgaactc caactgaaat ccagccatct gatggcatga cacactagaa agcatataaa 240
 ccatctcacg tttacgcctt acgatatcat ttcttgaaaa c 281

<210> 36503
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36503

gcagcggagc aacaaggatt atacttctga ccacttggtg acaaaggctc tcaagccaag 60
 ttaagaacca actcttcttt aaattcaagc tattangtgt agttgaatgg ttctatatct 120
 ttaacacatg ttgtacttta ttgcagttg aatggcttcc atgtaagctt gtacccttga 180
 atattaagag agattatcta atacgcatga ttttcttaat attatccaat tattcaataa 240
 tgactttaat tctcatatgc ttgattttct tcttaattat tctaattatt tatgt 295

<210> 36504
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 36504

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gtgctactac cacaattcca agctcacggg agagtgaagg agccagggtat gaccaaactt 120
ctcctgtagt ttaacaaacc aagcaggaag atgatatgtc aaggatgatcg aacgtgcaag 180
agaagtgcac aatcgcgcat tagatatgaa aatttcaagg acggtgctgg gtataaatcg 240
caagtaatct tctaacatac aaagccgatt tgtataaaac cggctttgta acattcacat 300
cgnaggcggg tttataaaaa tcttcgtgga tgccttcata aagttgaata aa 352

<210> 36505

<211> 226

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36505

acacaacatc ggngatgttg gaagaaccga tgngacgggt ataaacttaa catcggtttt 60
gatgacaccg atgttcacaa attaattgta gcatccggtt ttaaacaacac cgatgatcac 120
atcaactagt tcacattagt gctttcaata tcgatgtcaa ttaaccgaat ctattaccac 180
catgctcttg ataacatcag tttttagaac aaccgatgct aacata 226

<210> 36506

<211> 414

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36506

agcttgtgca tccaatactc ctgatgagga tgtcccatat gctcttaaaa ctggactgat 60
ccatttgctt cgaaagtntc atggccttgc aggtgaagac ccgcaaaaac atctaaaaga 120
attccatatt gtctgatcca ccatgaaacc cctagatgtc caggaggatc acatatttct 180
gaaggatttt cctcattctt tagagggagt ggcaaaggac tggctatatt accttgctcc 240
aaggatccatc acgagctggg atgacctcaa gagagtattc ttagaataaa ttttcctgc 300
ttctatgacc acaaccatca gaaaagatat ttcaagaatt aggcaactca gtggagagag 360
cttatatgaa tactgggaga gattcaagaa actatgtgcc agttgccctc acca 414

<210> 36507
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36507

tctccttcct tntcctataa ataggtgaag gagggattat acttattggt caaccctcca 60
 agtatttgag attcacttaa aaatagtgag aaaaattatt tctgtgaaga aaatccaagc 120
 cgaggcgctt ccgtaacgtt tccgtaatgt ttccgtgggt gatttcgcaa agattttcaa 180
 ccgttcttcg tcgttcgtca ttcgttcttc gtcgttcttc ggtcttcaaa tcggtaagtt 240
 cccaaaatcg aacttttcaa ttcattctat gtacccttag tggtcctcat ttgtttcgcg 300
 tgcttttatt ttcatttcat ttactttcgc taccctcctt ttgacgtgct ttagtcattt 360
 acttaagtca ttttctcgcc taatcaaana taaaataaat ttccatcgat catttgaatt 420
 gaacatctgt aatttctgta aaatgaaatc gaccgtcg 458

<210> 36508
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36508

acccgggatc ctttaagtcgc ctgcagcatg caattttggt ttatanagac accgtctcgt 60
 agtcatatga gagattttgg ttgtacaaca tatgcattag tagatataag gactaagctg 120
 gatgataaat ttgtcaaatg tgtatttatt ggctatgcta cttagtcaaa ggcatacaga 180
 ctgtataacc cactaactgg caagataatt gtcaatagaa atgttgtatt tgatgaagat 240
 gcaagctggg ttccgggagga atgtgaaatc agtaacagtg tttagcagaa atcagtcagt 300
 tttgatggtt cataagaggt ctcaaagtgt ccagactatg atcacactcc aagccctcat 360
 tcaacgccat caagccagtg atcattagct ccttcaagcc atggatcatc tagctcatc 419

<210> 36509
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36509

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 ttctcactct ttttggacat aagcaaaatc ttacccatct tgcttcttag cttacatatt 120
 tgaantctgc tcaaaagaaa taatattata tcattgtaca tttgtagctg gtttttctta 180
 aatatactct cgttacattg tcgtttatta acaaaaaatt aacaacgtat catatgagtc 240
 ttaacatata caataatcga taatataaa 269

<210> 36510
 <211> 195
 <212> DNA
 <213> Glycine max

<400> 36510
 atcttttatt ctaaacacag cagcacgggg gacctgactt tttacgggtc aactgtgtgc 60
 ctgtaataag acacattgga ttatgatgca aacatgttgt atgtgatgtg aacctaataa 120
 tattagtagt gctggatcta tgagcatgac ttgagtgage atcagtgctg aaccgatgat 180
 gcagtatgag gagac 195

<210> 36511
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 36511
 attttgtata ttggctagac atgatacatg tcagggttg gtttgggttca aggataaaaag 60
 ggatgccccca cattatttcc atgacacaaa tgcaaaaatg acgatttgga aattttatgc 120
 aaaactgggtt atgcatgcac ctatgcggac actcaagtgt caaattttta tggatcatgtg 180
 atgctacggc tcacgattca tttcctctat tttagtcaac ccaacgtttc caaaatatgt 240
 tcttttatca atttgtgcat tcatccgagt ccattgtggg catctgggaa aatcttcaca 300
 gcattcaccc ttcatgtgta tacacattgt ttcaaaaact agttatgatc agtgaattct 360
 tccaaag 367

<210> 36512
 <211> 450

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36512

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aaggagagtc tctccaattc ttaaacccta atcttggtgt ctttggaagc taaccttcat 120
tgaatgttgt tttgatgttc aaaatttcat agctactgca taggctggaa ctgtatcatg 180
tggtgtttct cttgtaattt taaggtaaaa aatgagttat ttgggtgcca aaacttaagg 240
ttaaccttat atttcaccta aatcatagtt ttctagtaaa agttatgaac aaaacaagtt 300
taaagaatca cgataataaa tgggagtttt ctagtaaaag ctatgaacaa atcaggagtc 360
tttatggatg tatggaccat ttttcataaa tatttgactt cacaaacgag tttttaagtg 420
tgaaaatata tgggaacatg tcaaattcat 450

<210> 36513
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36513

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tagtggctnt tacacatgag gtatgactca actgcatgta cttacactag ctatgtctgc 120
taaattcgac tccaaattcc aacaaactcc atgcagaata cgcaactctn ttattgaatg 180
ataatattag gattattaat aattttaaaca taatattgct ctctttttta tcaatagttt 240
taaaactatt acaaacgaat gaacacaaat atttgaatta ataaattaat atttactact 300
atattttana ttaatgtatt gngcaatgat atttgaatga tgttanggca tgtntgatag 360
gagatcaaaa ttntaatttt aacaaattat aggttgaaca attaatttct catgt 415

<210> 36514
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36514

[illegible]

<400> 36515

<210>	36516
<211>	404
<212>	DNA
<213>	Glycine max

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gggcccaagt	gggcctgggt	gctatttgca	ccccacttt	tactaaatac	acccctgcc	120
tttttttttg	tgattctttt	tccgtaatgt	tacgaaactt	tacgaatttc	gtaacgatac	180
ttattttttct	tccgcaagg	tatgaatcct	tacggattat	gtatttactc	tttttagct	240

ttcgaagaag ttacggaaac ttacggattg cggaanaaca cctcttttcg acttccgcca 300
cattatggaa tttcacggat cgcgcaagct tgcttccttt agatntctga gacgtctcan 360
gacttcattt attgtgcaac aaaggacgcc aagtatctca aagc 404

<210> 36517
<211> 509
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36517

nnaaagtcgg gttacctagc ccacgtagac ncgcanatca gctagnaccc gcgaccnnag 60
agtcacctgc agcatgcaag ctttcgttta cagacagcaa taagttattc ggtaccactc 120
gggttttccg ccctcagcgt gactcaaaat caatatgaca gatcctgtga gcgtggaaga 180
tgacgttaat ctccgcgtgt caacgggcct tgtcggcgcg atggacgaaa ggcgcagaag 240
acgacattag tctatgcgtg ctatcanggc tttcatctta cagacagcaa aaagtttata 300
cggataacca ctcggttatt tccgcccgtc agcgtgactc aaaagtcagt atgacagatc 360
ttgtgagcgc ggaagatgac gtaaactctcc gcatgtgaac gggctagtcg gacgcgattg 420
acgaaggtcg canaagacga cgttagtctc tgcgtgctat caggcatttc ggtctacaga 480
cagcaacaag tttatacgga taccactcg 509

<210> 36518
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36518

ataacacgca gagactaacg tcaacttctg cgaccttcgt tattcgcggc cgacaagccc 60
gttgacacgt ggagatttac gtcactctcc gcgctcacia gatctgtcat actgactttt 120
gagtcacgct gacgagcggg aatacccgag tggttatccg tataaacttt ntgcattctg 180
taagatgaaa agcctgattg caagcagaga ctaacgtcgt cttctgcgcc cttcgtcaat 240
cgcgatcgac aagcccgttg gcacgcggag atttacgtca tcttccgcgc tcacaagatc 300
tgtcatactg actnttgagt cacgctgacg ggcggaaata gctgagtggg tattcatata 360

aactttttga tgtct

375

<210> 36519
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36519

agcttgagat tgggtggttta tagcttaaag aaactntaac atgtagtggt tattatggag 60
tatgaaaaga gaggacttga atacaggtaa gtataaaaga tagaccagtt ttgtggtgaa 120
agaataaatg aaatatctgg ctcanacttg attcaatgac ctgaatagct caaggaaata 180
taagcaccta tgatggttat ggcacgtact tcaacaatta attcatttta gaaactataa 240
taattgatac gaaataaaaat gtgtggaaat attgagacca tactgcaa at gagcaagtaa 300
tattcatctt gaggttccaa gtatatattg atggctacac agattaatcc cttgaagtta 360
atatactaa 369

<210> 36520
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36520

cacacagatt cagaatgaga agtgccaact tgactataac tttgtgcaga atcccaatta 60
gatgaacctg ggctttcctt caaggaagca aactgccc at tcttccgatg catcctagca 120
agaataaaag acagcaaaaa cagaacagaa aaaaaattat aaatatagaa gaacaaatca 180
aacttcaaaa acaacctgca atcaaacaaa acctacaaga atccctcaaa atggcactca 240
agtaccaact atcaacacaa cacattatgt tcttcagtcc ttagctgttg agaaatatgc 300
tcaactgattt gactntacct gataacaact caggccta at atttcatgat aaaaaatttc 360
aatgtaaaaa caaathtagt cagaccagac nactgacctc ttttcattat aaatctacat 420
atg 423

<210> 36521
<211> 418

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36521

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 gacacagaat tcaccaacaa cataactctag tgctcgnntt gcattatgta tcaatttacc 120
 attgtggtgc aaaataagag tgatttcac acaaatccta taggtgaaca caaacatcat 180
 tatttgtatt ttcacaaacc ttgtttatac acaacatcag taatgaaaaa gtataaatac 240
 aattttgaga acccaaatat aaacctccaa atgaaacatc attcaaaaaa aaggaacaag 300
 aagccaaatg aaaaaagagc atacaatgca caaaaggaaa tgacttcac ttctagggcc 360
 aagaaaaaat gagatgcaat gtggatgacg atatatagat atgcgaagaa aatgagtg 418

<210> 36522
 <211> 474
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36522

 actcaagctt atcacacaaa ggtgttgctt tgtgtggagg aaccattntc tttggttttc 60
 tctctgactt tnacaataag tatgtgggtca agaaacacca cttgagtcac gacacccgtt 120
 ccagtggaga caataattga ggttccaagg gtgttagaca tcatggttgc atggtaggca 180
 aacatctcac tcatgtgggt cttcaacact tgaccaatgt taggtggcat tttaccactt 240
 ggtatagtgg cttttgtttg caatgctact atgtgctta cttgcacaac ttttagtggg 300
 aacttttcat aagctgtttc tctagacaac attattccgt tagaaccttc ttgaacaaca 360
 attactaaat atgatacctc tattctgggt agagtcgggt gaacaatcat gttgtctagc 420
 atatgtgatg ccacaataac agtcttttcc atgcttagac acaagtttat tacc 474

<210> 36523
 <211> 391
 <212> DNA
 <213> Glycine max

 <400> 36523

 acgccggtga tggcatggct tcaacaaac tatacccaca tcaaagagat agcgctaaaa 60

aaacaccttg cttgagatct gcatacaaaa aattgtgata tcaaataacg ccacacctga 120
 gcctctcaat attaactaaa gaataaatag ctagtcaa atttattaaa gatacataaa 180
 ccaagagtag ctactggcga gctacacacc gacatcaagc tctcggctgc ttgcataaac 240
 tccgggcatg gcatcaatca cgcccgcaag aggaatatct cgtcgcaaga cccgggtgcct 300
 agccggctctg accattgcta agccaccccc tgaatccaac cctcgcgga cgtctcttcg 360
 cgtgatacat gcaccaaccg tacgtcttcc g 391

<210> 36524
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36524

tgctcattgc tccaattgca gcatggaagg gcaattgtct gtgtgatggt cggcagaaga 60
 gcataaacca caaactcttg tgataagtag agatttctaa ttcaaggcta gctgggttac 120
 cagggttaact aaggcatcta gtttaccttc aagcttcttg gtttcagctg ctgaagatga 180
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 aaaggctcta ccactggtag cattctatca taacttctgtc catgttactg agtccttcat 360
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<210> 36525
 <211> 519
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36525

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 tnntggtttt attngttgag ganagagtgg tanttggaga tatgtngnga gggtnaggag 180
 aaaattggga ngttaggtgg ggtgggtattg nnnaaaagna agnttganna attttgaaaa 240

aannngggna tagtaagtna gtgagaagnt gtgatgtatn taataagggg agttttntgg 300
 ngtnaataga taatagaata aagaaaanaa agnatggagg gttgtgtggt ggnttggnag 360
 atgtgaaatn tgagntgtat atgggatatg gantntgggt atagattaan atggatgggt 420
 tattgattat taagattaat agtgagaatt ggaaatttaa atgatnttta ataagatgaa 480
 ttgttaatat agtaatataa angttaagaa tttgtattg 519

<210> 36526
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36526

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 aagggtgaaa cttcctgctn ttattcgttg accacagagt ggtacctgga gatatgtcgc 180
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 caatcccgac ccaacccggg catagtcagt cagtg 275

<210> 36527
 <211> 406
 <212> DNA
 <213> Glycine max
 <400> 36527

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 ttgccccaaa ccaagcttga ccaatcccgga cccaacccgg gcatagttgg tcagtgagaa 180
 cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aacaaagacc 240
 acaaagcaag gaggcttgtg gtggctggcc aactgtgaat tttgtgtgat atgtgattat 300
 ggctctggt aatcgattac caacggtggg taatcgatta ccatgcttat aaatgaagac 360
 aggaggctaa gatggtctct ggtaatcgat taccacggag tgtaat 406

<210> 36528

<211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36528

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 taatcaagca cagcggaatc tgtagtttag acaagttgca aatcgtttcc aggatgtcaa 180
 gacatctcac atgacatctg ctttctgctt ctgctcccc tgtctccatg cttactgcag 240
 catcttctaa cagctactag tcttttccag gatgtcgaga catctcatgt gacatcagct 300
 ttttgctccc cctgtcttca tgctcttact gcagcatctt ctatcagcta ctagtagctt 360
 acatcagtca tcaacagcag cagtctcccc ctcaaatca tgaatcatgc atacatcgna 420
 tctactttct canaatcata catcatgcat aatgctacta 460

<210> 36529
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 36529

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 tgatagtaat acataacctg aaatgaacaa acttggaatc aacaatcatt aactcgagcc 120
 gtgatccgat aataagaccc aaatggataa gcttgacaaa tcaacaatac ttactcgagt 180
 cgatgatcat ataattaaac tcaaatgaaa taaaa 215

<210> 36530
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36530

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 tatgtcgaga cgctcganat tgaacaacgg aagctctcga gaaattccaa tggtcataac 180

ttttcactcg gaggaccgat tcaggcgcat aatatatcga gacgctcgaa attgaacaac 240
 ggaagctctc gagaaattca aatgggcata actttttaact cagaggtccg attcaggcgc 300
 ataatatatc gagacgctcg aaattgaaca tcgaaagctc tctagaaatt caaatgggtca 360
 taacttttca cttgg 375

<210> 36531
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36531

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 aatccattaa gttgattaag cagctccatt agcgttctct gaatttcacg atctgcactt 120
 gttccctcat tgaaacgacg acctccaatg gcatcaatct catccataaa aatgatgcac 180
 gactaatcaa gaaaagtata gatttagaac atgtntaaat tagtatgtgt aaacctatag 240
 gaagacaatt tcgcacaagt acctcacctg gtgatcacgt gcataaccaa acatctctct 300
 cattaacttg gcattttctc caatgtactt gtcaattatg gcactggccg aaacaaccta 360
 catcagaata 370

<210> 36532
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36532

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 tggcctcatg ggccataata tgaagggaat tcgaaaatta ccagattcca tacctcattg 180
 attaccggaa gaccattgat tctataactt acaagagcct ccagagttgt aatccaaaaa 240
 atatataaat aaagtaaadc acatgattta naactatata gaacattgag ttaccttcat 300
 caacggtaat ggtgtgtttg acaacatgcy aatcttgctt ctttgtcatg aaatcagcaa 360
 cgggtgtaagt tccatatagt agcaatgacg ccaaaatgca aacacatana aaaaagaatc 420

<210> 36533
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36533

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 caccctaata agcaggtagc caaaaatagt tcttttataa ttattttgtc ctcatatttt 120
 ttttaatat catgtagaag aagagtacag tcttgatata acagttaaata tgcgtcacc 180
 tgatatacat agagagtttc gtgttacctc tattgattat gcatgacgtg ttacgtgata 240
 gtacatttca ttttcttagt ttaattactt ggcgttccat aaagtgaaat gcacgtatat 300
 aagaatatat taatggcatg tcaatgtccc ctttaataca atg 343

<210> 36534
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36534

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 aaaagatgct tataatgtga tcgtattang ataaagatgt attcangtca ttggctaaaa 120
 tttttataca taggttaaaa tgtaattctg atttctttat ttttataaat ccatgatttt 180
 agtttccatc ttttaaaatt gagatattta gtccttcaat tttctaagat tcttaatttt 240
 ggtcaattca ttcatttgag atgggtaatt gtttaattgat taacgttgat catttatctg 300
 gttttttatt ctcatTTTTT tattaccgag taaaagaatt ttaaaaaaaaa aatatttgac 360
 gatattgggc cncgtgtctac ctgggtgagaa tcccaaagct gcccaaatat anggatctat 420

g

421

<210> 36535
 <211> 397
 <212> DNA
 <213> Glycine max

2025

<210>	36536
<211>	421
<212>	DNA
<213>	Glycine max

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caaaaccaag	cttgaccaat	cccgacccaa	cccgggcata	gtcagtcagt	gagaacctgt	180
gatgtaccta	aacaggcgag	ctcctggcag	tcaacagata	aaaggaacaa	aaccacaaag	240
caaggaggct	tgtgtggttg	ctgaccagct	gtgaatcttg	tgtgatatat	gagttatggt	300
ctctggtaat	cgattaccaa	gggtgggtaa	tcgattacaa	ggcttanaaa	tgaagacagg	360
aggctaagat	agtctctggt	aatcgattac	caaggggtgt	aatcggttac	caggcttgaa	420
a						421

<210>	36537
<211>	424
<212>	DNA
<213>	Glycine max

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agtctatcat atgctgacaa tagccgagaa gcccatgaat ctcttcgggg gcggagtagg 180
 tgtctgccat cgccttgccc ttggctaaca atcggggaag ttcttgactc ccggttcaagg 240
 taagagcaaa ccgatccatc cacatgggtg cctcttgggtg taaagagtcg atcacccttc 300
 ctctagcctc tttttccgcg tatacttggg catattcgtc cgcaatccta tgctcgtggg 360
 ccgcggttag acctaactct tcttgggtact tggcgatgat agctagcatg ttggtctccg 420
 tctc 424

<210> 36538
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36538

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 gggccattaa atctatcatg tgttgacagt aattgggttag cccgtgaatt tcctctcggg 120
 ctgaacacac ttcgcccatg gcccttgett tggctagtag tcgcgaggagg tcttgacttc 180
 catttaaggt caaggcgaac ctatccatcc acatggctgc ttcttgatgc aatgcatcaa 240
 tcacctccc tcttgcttcc ttctcggcgt atgcttgtgc gaagtcctct actagctttt 300
 gctcatgggt canagactgg tttaaactct ctttgtacta ccctattata gctagcatgc 360
 tttgctccgt ggcttctcaa actcgggagc caatctg 397

<210> 36539
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36539

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 ttaacctagg gaaataaaaa aacttaatgg ctgagtgtaa ctgaaattgt ggcaacaaaa 120
 agtccccccc aacagccaac aagtcagcca ccatttgggtc tcccaaaagg ctgatgccta 180
 tgttgccaat tgggccctta ttacaacttg aactaaacct aactaaagcc cttttagttg 240
 attaacccaa aacatatttt tggtcagcca actttacaag gattgtgcca ttatttagac 300

aaactaaaca ctctaaaatt gaacaaaagt ggtgtcattt agtcctctc catttgggcc 360
atgatacaac tcacaaccct tggacttttc 390

<210> 36540
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36540

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cttttactcg tatgtctgat tgagtcctcg ntatatcgag acgctcgaaa ttgaataccg 180
aagctctgac aaatcaaacy acaataactt ttactcgaat gtccgatgag tccgaatata 240
tcgaaatgct cgaaattgaa tgttgaactc tgagcatatt caacgacaat aacttttact 300
cggatgctga ttggtcccg atgtatccaa cctcgaaatg atgtgaactc tgacacatca 360
aacgacacaa ttttactcga tgttgattga gtccgtaa atcgaacgct caaatggaa 419

<210> 36541
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36541

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cccaaggctt acccatccat gcagaagcta aacaatactt aacacctttn acaaatgtaa 120
caaatgacaa tgcttaccac cacacatgca aaagctaaat catcaaaaaa gcctaaaagc 180
tcaaacataa gccaaacagc cnatatcatg aacatgaaag ataatcacca acagttgggt 240
gcagctttta ataatcaaga ttcaacagta ccttaccttc aaatctcaa gcattaatca 300
aacttgtagc aaactggcag gctaactgaa gacctgaact acaactcagc atnatcacat 360
ac 362

<210> 36542
<211> 382

REPORT

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agaaaaatcc	taacaataag	gggaaaaaaaa	taattaagaa	aatcaagaga	tgtacacatt	300
acagatgtac	aagaaagcag	gatagtgaga	ccctagatc	aaccaaaaaa	aggatatatta	360
gatttcctaaa	tgttttttatt	at				382

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attctcaacc tttttcggag cccatg                                           206
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accctcgtac	atgaggaagg	gaaacaccag	cttcccatat	acttcaccag	ccgtatcctt	180
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<210> 36545
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36545

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gccatctcca tgtaaacggt ctcttttcta tgggtgttgt agaggaaaga ctgttgatga 360
caatatatac attta 375

<210> 36546
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36546

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actcattacc cataactaat gaccagaag aaccagcttc tgttggttgt aagcagtatg 180
agacaactcc tccaaatgtg gcattagttt gagataccaa tgagaggtaa cttcttccca 240
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caaatcact cactgaaaca cctccaagac taagtgttc aacacctagc tcaccattag 360
tgtaagatcc atcaccatag ttaaccacat agttacaagt tgatggatta ctacttccac 420
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<210> 36547
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36547

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 gtttcacttt ttctttctta ttatactat tagcatcaat ttgtagatgc aattggcttt 300
 gatgatttga tgatgatcat gatgatgtgt tgcaattgat gcaaattggc tnttcaagat 360
 taaaattcaa gacaatactt caagattagc agtcacatca tcaagatgat cactagaata 420
 tta 423

<210> 36548
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36548

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<210> 36549
 <211> 155
 <212> DNA
 <213> Glycine max

[illegible]

<210>	36550
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<212>	DNA
<213>	Glycine max

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<210>	36551
<211>	151
<212>	DNA
<213>	Glycine max

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<210>	36552
<211>	458
<212>	DNA
<213>	Glycine max

15227

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<210> 36557
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 aacgcaacgt gtgcttgta cggagaagcg cctgggaatt ccattgagca ttgtagggct 420
 ctgaagca 428

<210> 36558
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36558

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 aagcattttg gggtacaaa aattgcacat gtgcacatct tgggtatttct aataacctata 240
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 cctttttcaa gtttttgcta cctanagccg catgcaaatt caagcatant ttcctttgct 360
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<210> 36559
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36559

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 aagattccta aagaagctag agcttagcta cacatacctc tctaataagct aagctcacct 180
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<210> 36560
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36560

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 gataagaagc ttggaaggat gcttcaatgg aggaaaagaa agagggagag aaagagagag 240
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 tcacaagact ctcattcatc anagttacaa caagtgttac acatgcttct atttatagac 360
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<210> 36561
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 36561

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tttgtttata gcttgctctc tccanatggg tcgacgctaa gcctgaaaaa cctagtagcg 120
ctcttttctt ttntcattat tttcatatta gtcaatcccc ccccccccc tcattcccct 180
gaataattaa ccctaacatt atgttcatgt attctgatca aagtgttcaa ttttctttct 240
tcagctatnt gttcagacac cctagagcag tgatctggaa tagttagaag ctataaatgc 300
ataaatcttt gagatctaga agttcattgt cattttgaac ctttctgtga tgtctaattc 360
ctttcttttt tctctctcca tgaaatggaa catgaactgg at 402

<210> 36562
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36562

ctcaagcctt tcanatgaaa tgaacaagng aatagtttct gttcaatttc acatngggng 60
ttcacacaca agtttatgtg aaggatgcaa ttgcaacaat tcttaagaga ttagctagca 120
tggcacaagt taaataaaat caaagtcacc tcattcttca caatcaaagt atttctctca 180
aacacacaag tgtatctagg tgagtgtatc tctcaaacc tcacaaataa actttgcttt 240
tcatttattt tgaaatcata aaactaccct catatgcaaa gatcaccaag gactttattg 300
ggttgtaagt tgtaacttgg ctggactaca aggagatttg gttctctacg acagcatatt 360
cgcactatat gagaataaga gagcatatgt caacaattga gcaattcatt cattattttc 420
tttctttctg acaatctaag taacatcaac aca 453

<210> 36563
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36563

agcttcacct tcaaganagt gccttgata agaagcttag agagaaacct tcaatggagg 60

aaaagaatga gagagagagg aggggggagca cgaaattgaa ggagaaaaag aggggagagaa 120
 gttgaacttt gatgcgcatc tcacaagttt cacattcatc aaagttacaa caagtgttac 180
 acatgcttct atttatagcc taggtagctt ccttcataaa cttccttgag aagcttcctt 240
 cagaagctag agcttatcta cacacatcct tctaatagct aagctcactt ccttcatatg 300
 agaagctaga gcttagctac acatacacc tataatagct aagctcacc tcatgctaaa 360
 atacatgaga atataaaaaa gtccctacta caaagactat tcanaatacc ctagaatac 419

<210> 36564
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36564

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 acgagacatc ttgccaaaca aagtcaggtt agcgataact cgcattgtgt ttttcttcca 120
 tgctatatgt agcaaagtca ttgatccagt caagtttgat gagttggaaa ataaggcccc 180
 aattatactg taccagttgg agatgtatct tccctgcttt ctttgacatc atgattcact 240
 tgattgcgca tctggtcaga gaaatcaa at gatgtgggtcc tgtttatcta cgggtggatgt 300
 acccggttga gtgatacatg aagatcttaa caggggtatac aaagaatcta tatcggtccag 360
 tcgcatctat tggtgagagg tacattgcaa aggaaagcca ttgattttgt tc 412

<210> 36565
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36565

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 gtgatnttcc accatggaga tgcagcggaa gacaaaggag aagaggtaag aggcggcacc 120
 atccactang gaataagcct tggaagaagg agcttcacca ccaagatgag ccttggataa 180
 gaagcttga gaggatgctt caatggagga taagaaagag agagggggga gcacgatatt 240
 gaaggaagaa aaaggagag aagttgaact ttgagttgtg tctcataaga ctctcattca 300

tcanagttac aacaagtgtt acacatgctt ctatttatag actangtagc ttncttgaga 360
agcttctttg agaaacttcc ttgagaagct agagcttagc tacacac 407

<210> 36566
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36566

tagaaactaa acaaatgttt tcaacatctt gaaagagatt tgaggatctt attanaattc 60
atcaagctca tttagttgat tttatcctgg aaaccacttc actgggtgat gtacaagaca 120
cctttgtttg taggagggtca aggcattact agacgaanag gtatccagtg gacgataaat 180
tcttcttaag gattttcaag acttagaaga aagggtgaaa tccttaacca tgactcttga 240
aaattcagaa gtagaacaca aggaacccca cagacaaatc tagtcatggt ttcaaaggca 300
aaaaggttgt gcatggtgaa gaagttacta tttgttattt ctatggaaag gtgggtcatg 360
agactcataa atg 373

<210> 36567
<211> 86
<212> DNA
<213> Glycine max

<400> 36567

cgcgactgca tatgtctgga agatctcatc ccaaatacac cgactaggaa ccggggcatg 60
agctctatat gctgctatgc ccttca 86

<210> 36568
<211> 700
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36568

ccgccccccc cagccccgcc ttganaactt tagccaattg cgagacaccc atagnantan 60
nctcagctcg catggccctg cagggtnncg actcttagag ggatcncnc cgggtaccgc 120
atgtttctga atttcgctct ctatnagtgg gagtnncgta tntacanatn tctacgtggg 180

cnnctgtcgt nntttacana ccgtnnctgt aactgggngg aaaacctctn ggcnngntta 240
 cctcaacctt annatcgenn cttggcagcn annatcccc nnnctttcgc ncaagctggg 300
 cngnntaata gcaganagaa gagcncncgc nacncngat ctgcccnnntt cccanacnna 360
 gttggcgcca gncacctgaa tgagcagaaa tgagcngcnc taggatgccg ggtatntatt 420
 cttcctttac cgcccatctg tagcnngagt atttcaccac ncgcatttat ggtggcacnt 480
 anctcagenn acaatctggc ttctggatgc nncgcatnna gttaaagcnc angcncncn 540
 gaaacaccnn cgccannnac actccgcttt gacngccgat acnctnctnt gcgggncngc 600
 ntncggaata tataccntcg tngtaacggg actgcttatg caaaacgtca ttagcgaatg 660
 agctcacgac cttcattagt tcattcacag aacaaacccg 700

<210> 36569
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36569

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 tgttgctgcc atgcatcagt gtagagtctt ccaaaaaatc cctgagatca ccattcgttg 120
 tacacacaat caacataaga cgataatgtc atactgacta tgtctatccg cttcatcacc 180
 tagaatgaat atttttttaa taattaaata tataaattat taaaaattgt aataactaaa 240
 tatttataat atttgaatta tatctaaaat ctataataaa taatttatgt tgtgatgcat 300
 tattactttt aattattgat aatttctttt aaaagatatt caaattcaag ttgacactac 360
 aaatattata aattatagat ggaaagagat aacagttacg tctaataat atatatatat 420
 atatatatat atatata 437

<210> 36570
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36570

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ttaatatcgc agatgggcgt acatatctaa agatcagtg gagtaagggtt atttttctaa 120
 ttctgtaagt cggtgatatac ttgtntacaa ctaatgatct tggctcttctt catgaggcaa 180
 taagtatttc tctagacact gtgaaatgaa agatatgggt gagacaagct atgtgataag 240
 gatagaaata ttctgaaata aatcataagg attgttaagc ttgtcttaga gaacatatat 300
 caataaagta ctagagagat ttaggatgga agagtgtca tcatcaccg tt 352

<210> 36571
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36571

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 ttaacccaac gaagacactg acaaaaactt atgttctcct ttntggacaa agtatgataa 120
 gctgggggca agtaaatntt cttcccatca gaccttgat gcaattgtga tcgtatcccc 180
 atctcagcta gatcttgacg ggtattcaac ccacctctcg tcttgcttg aatgttaagg 240
 agcatcccaa tcacactgtc acatacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcta gatcagacca gtacggaaga tcatagaana tggacctctt cttccatatg 360
 caagtcttac tggtatccct tctttgggtc tttccaaata tagtattcag gtgctgaacc 420
 cgtattatac ctgc 434

<210> 36572
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36572

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 acctgtatat ctacttaatg atgttttatg tgttctctgt gctatcagta tgcattnta 120
 gtgtgttntt gccttgatca catagatgca tngcttgta ggatcattca acagtggaaa 180
 ctgggttgat tcttagaact tgataggaaa tggctagttt atcgtattat catgagggat 240
 cagggtacgg taacctagtt gtttgtatgt ttgtcttatt gtgattctgg tcgagtntag 300

tccaacaata ggaatctaaa gatgatgctn gatcgggatt aggctagact atcat 355

<210> 36573
<211> 517
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36573

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ttagagtcga cctgaggcat gcaagcttng ctttctcaat taacccttt gaaggtaagt 120
gggttgctcc gctgatagt atctaaacca tggtagatag ttactcctcc accgactacc 180
tgattggcca taacttgccg caagttgttc aaagcctcgg taatgagtca tactcgctca 240
tttctccac gcattacttc ctatgtcag caagcaaaa aactttgaaa agagaaaaag 300
aaacaatata tatatatata tatatatata tatatatata tatatatata tatatatata 360
tatacgaca caataagagc tctctctat ttatacaaaa aagcacatcg cgtaatagtt 420
cacaaagaaa cacagaacac tgctacacac attgcaataa gttctacttg tcagaaccac 480
taaattacca ccgtctacc gacaaaaaac aaacaan 517

<210> 36574
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36574

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atggacactc atccctgacc caactataat tcgtgcgaaa ggtcggccan atcaacaagg 120
ataaggaatg agatggattg ngtcgaacca tctcagcacc gacaaaaatg tagtagatgt 180
ggagccgata ggcataaaaa gcgtcgctgt ccaatgcaat ctaagcatgg gagttgttta 240
aatcattgat ttatgtatgt tagtgaagt acttgatatt gtttaagttc tcttaaatgt 300
attaaatctg tcgggttgaa tgaatttgct agataataac attacttatt ttgggtttgtg 360
tacattactc attttggttt gtatacatta ctta 394

<210> 36575

<211> 243
 <212> DNA
 <213> Glycine max

<400> 36575

atgggatgcc atgatgttta tgggtctataa tcctaactct ccgctctaca gagagcacia 60
 agaccactcc gaaattgcac acagtgggtca atgtctaaac atatcattgt tacagaagtg 120
 aattctgtaa atcatttcat atcactttta ttacctaag ttattgcttt caattcataa 180
 atatgtaact tcgacttaat ataatcaggc atctaactga aacaagtatg cgagctggga 240
 att 243

<210> 36576
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36576

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 ggaaccttca cctgacgaag aactgacaa aaacttatct tctccttctt ggacaaagta 120
 tggcaggctg ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctgtgctctt 180
 ataccatata cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg 240
 ttaaggagcg tcccaataac actgtcacia acattnttct ccacatgcat aacatcaata 300
 caatgtctaa cgtcaagatc acaccagtac ggaagatcan agaaaatgga cctcttcttt 360
 catatgcaac tctgactttt atactttctt tgggtcttcc aaatacagtg ttcattgtgt 420
 gaaccctgta tatactgct cacc 444

<210> 36577
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36577

agctnngntt cagatattct tcgngganng ctgcatnctc gtcccttgtc gcatgattgc 60
 caaatccaa taactctgcc actggattat gtgcttcttt tggacaattt gtggaccaa 120

<210> 36580
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36580

taagctcctt caactgcaca aggcctcttaa tattttatta gtatccttgt ggaaccttca 60
 cccgacgaag aactgacaa aaacttatct tctccttttt ggacaaagta tggcaggctg 120
 ggggcaagta aattttcttc ccatcagacc ttggatgcaa ttgtgatcgt gtgccccatat 180
 cagctagatc ttgacgggta ttcaagccgt ccttcgtctt gccttaaagt ttaaggagcg 240
 ttccaatcac actgtcacia acattnttct ccacatgcat aacatcaata caatgtctaa 300
 cgtcaagatc agaccagtac ggaagatcaa agaaaatgaa cctcttcttc catatgcaac 360
 tcttactttt atccttcttt tgaggctctt caaatacagt attcaagtgt aaaccgctc 420
 ata 423

<210> 36581
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36581

cataagatca ttgttcacat ctgaactatc cacaatcaaa gtgctgtctt ctgaataatt 60
 tctggctgaa tggaactggt aaactctggt ggcattggctg taagagacct aactgttg 120
 gatatacttg aagtatcagc agcagcacca caataattgc caacaacagc atctaaaaga 180
 tattccagat caacatctct gggacactcc aaacctttaa tatgagcatg ctctcttntg 240
 ttgatacaag agttgattac tgtatgtttc ctcaacagag atacatattg acatatattt 300
 gcctgtctct ccatatgaaa ctgatccaag tgct 334

<210> 36582
 <211> 194
 <212> DNA
 <213> Glycine max

<400> 36582

acctgtcctt ctgtgaacta tcacctatga aacatgattc cattctaaga attggactgg 60
aatgttgata tgggggggttg tatgaactgt tgtgcttctt catagtttgc ctctgagaat 120
gttggaagt gaatctataa gtgtttaagt agataaaaaa acaacacata aattaaagaa 180
aacataatg tata 194

<210> 36583
<211> 434
<212> DNA
<213> Glycine max

<400> 36583

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cacttctctc tctttcgaat ttgcttaaga aaattgtttc cgtgaagaaa atccaagccg 120
aggcgcttcc gtaacgtttc cgtaacgttt ccgtgagtga tttcgcgaag gttttcgacc 180
gttcttcgac gttcttcacg gttcttcagt cttcaacggg taagtacctc aaaccaagcc 240
tttcaattca ttctatgtac ccgtgggtggg ccacatttgg tttcatgtat ttttattctc 300
gttttcattt actttttata cccctttttg acgtgcttaa gccatttatt taagtcattt 360
ctcgcttaac cttaaaataa aataaatttc caccgatcgt ttgaattgac catccgttac 420
tttggttgaa atga 434

<210> 36584
<211> 123
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36584

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gggggttggg gggggggggg ggggtggggg ggtggggggg gggggggggg ggatgtgggg 120
ggg 123

<210> 36585
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 36585
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 gactgcaaaa gttatttgca tagcaggatt cttttggcaa agggcgtccc tcctcaaaga 120
 gtttttgatt tgcaagccaa gcttgcaaag ctntggcatc ctttgggacg ttggcatatg 180
 atcccaattg gaaaaggcta tttcaattct tctttctcct tagttcaaga tttacgtaag 240
 gtattggtgg tagggatttg gaacctaacc cctagcactc tgaggctttt caactgaacc 300
 ccanactnta accctaattt ggtgaaacaa accaataccc agagttgtat tcgaattcta 360
 gggttagcac anaagtatgg agacaagcca tcctattctc catcgcaata ggtgttggga 420
 tccccctctgc acagatgatg cantgaatag tcg 453

<210> 36586
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36586

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 aggaactctg gcacaagaga cttgggtcatt gccatcttga aagaatgcta aacatgaaaa 120
 aaaggaaata tgcaaaaagaa aatttgaaga agtttcaaat ggaggaatac aaatctgtta 180
 gcacaccaat gaatcaaaat gacaagttta gcaaggaaga aggtgttgat aacattgatg 240
 aaggatatta taggagcttg attggatgtc taatgtatct cactacaaca aggccaaaca 300
 ttctatttgc tcaaaagaac aaaactggaa ttnttggtga caatcaagta gccattgcta 360
 ttgcaaacaa ttccatgtgt catgggaaga ctaaacattt caacatcaag ttctatta 418

<210> 36587
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36587

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 ggtttgaaaa gtgaaattta gaatgaggta aatttgaagc aaactctcac ctacacaag 120

tccataacat caatctaaac ttgctcaaac tgaatttaca cctaaaattc caccgaatca 180
 aaatttgact cctcaacacc caaatttgcc ctagaaatag ctctttgttc attttgatca 240
 tttgttcttc tctctagcac agtccaagct ttctcccaag tcctaaatga catttcaagc 300
 tagtattaac tcactntaac ctccatttac cacagaattc agacttagcc ttccaactct 360
 canagcctca ctcttttttc cactcacaac accacattct cacttttctaa ccctaagtta 420
 actctaccct tcattctctaa gagtttccat 450

<210> 36588
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36588

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 tccctttgtt aaggctgtgt gtcttctgtt tttgaattta taatacaagg atctttcttc 180
 atctgttctt ggtctctacc cattctcatt catttgcatg tttacttctt tttctgaaac 240
 ggcagatccg atgacgagtc ctccgaaagt actaatacct gtgacccgcc tatcgacttc 300
 aagcacgaaa tgaatcacac ggaag 325

<210> 36589
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36589

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 tggagatgca gtggaaggca aaggacaaca ggagagggga ggcaccatcc actangaaat 120
 aagccaacga agaaagagct tcaccacca gaatngcctt ggataagaag ctngaagagg 180
 atgctctaata ggaggacaag aaagagagaa ggtgggagca cgatattgaa ggagtaacaa 240
 agggagagaa gtggaacttt gaagtgtatc tcataaaact ttcattcatc aaagttacaa 300
 caagtgttat acatgcttct atgtatagac taagtagctt ccttgagaac tctcttaaga 360

aaacttcttg aaaagctctt gagacacttc ttgagaacta gacttactac caccctct 420
 atactaactc cc 432

<210> 36590
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36590

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 gnacctgact gctgatatat cgagctgtca aagcctgcac gactaccga cttactgagc 120
 tgaccttgct gtattacaac tggctcacac ttactatctt tggcctcaat ttttattaat 180
 acatctcacc ttttatctac acatgtattc ttatgctact ttctgactaa tctctatacc 240
 ctgttatatt tcattcttaa ttcg 264

<210> 36591
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36591

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 tgggttttttc aatctacagc aacagcattg tattttcagc ttaatcattt ccacagaacc 120
 aaacttgтта tctcaatagg aatagttcac aattaataca aagatggaaa acatttgaat 180
 tacaatggaa ggaacaagtt aactaanact aaaatatcac tatcatattn tagtatttcc 240
 caacaccacc tgcatttctc cacgtctaaa gtgaactaca attactaagt tgaaagttgc 300
 agttacatgc aaattatcca ccagaaagaa ggtaactgga tctagaatgc acgacactgt 360
 tgtaaagctt tcaagctgta ctgtgttagc ctgctgaagc agtttatctg tgt 413

<210> 36592
 <211> 226
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36592

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 caacgaccat caacattcaa tttcgagcgt gtcgatatat tacgcgactc aatcagacat 120
 cagagtaaaa agttattgtc gtttgaattt gcaacgacca tcaacattca atttcgagcg 180
 tctcgatata tgtcgcgact caatcagaca tccgagttaa aagtta 226

<210> 36593
 <211> 221
 <212> DNA
 <213> Glycine max

<400> 36593
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 ggccttattc ggccaggaaa gatgaccgat cgaggtctaa aaaagaagca tgaccggatt 120
 acgccgatcg aacgtttcct aatagatatc ctccaagtat tattcagggg tcgaatggaa 180
 aaaacaatag ccgacatcgg tagttaaata gccgtgactg a 221

<210> 36594
 <211> 355
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36594

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 tcaatgaaca tattcagctg tatgggctca gagaatccat gagtaggaag ttttcgcagc 120
 aagctacaaa atctttctag ggctttactc anagatntat ctgggaactg gtgaaaggaa 180
 gagatgacag cctttccctc tgcagtcttg gactctgaga natatttctt cagaaacttt 240
 tccacaactt catccaagt cctcaagcta ttaccttga atgaatgtag ccacctcttg 300
 gcttctccag atagtgaaaa tgaaaataag ttgatcctaa caacatcttc tggca 355

<210> 36595
 <211> 313
 <212> DNA
 <213> Glycine max
 <400> 36595

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 aaaccctata ctactaaatg gcaatacaag ccaacgaaga aaactatcta aattacaaag 180
 atagtggtea attaccacagg actcaaatta ctaagctaga aacctaggct tcctgattta 240
 cccattattg agtttaccat gcctgcggaa gatgctccaa tttaactaca tcatacatct 300
 gatcatatat tat 313

<210> 36596
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36596

agcttcttat gcanagtata taaccaaaca acaatattgt cgtgtggaca cagaacaata 60
 agttgccaat gtgcctgaa gaacaaaaac attagtagtt acgcaattat aatgcanatn 120
 tttgaacatt gttcaacatc aatttcactt attgattcat ataagctcct aagtacactt 180
 ttcgttgtga ttccttgacc catgntngaa tgtaatgttg acattcttgg catctatcct 240
 ttgtgttgtg tatagactga ggttcaagga aaccatacag tgatccataa cctaattcttg 300
 tgttccaatc attcataana ctatttcana catttgacat aaattctgtt aatggatat 360
 tgtaacgaac attaattatc agttaataaa tttagcacta ctaaccaaata tac 413

<210> 36597
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36597

gcgtttttct ggacaatgcg atgaattcgc taagcgtgca tgttgcatca agcgagttca 60
 tcaatattgc ttgaatatat gcattntcag acgaactcgc taagcgcgcc tacgacgcta 120
 agcgagttca tcttttgtgg atgaacattc atctccctga tgagttgact gtggctaagc 180
 ggggctgatt cactaaggcc aggtaactta gtcaaatttt tgttgaacgc tgcgcgctaa 240
 gcccaaccta tctaggctaa gctcatttca ttgcggcagc cattgtgcta agcgagccta 300

gcttgctaag cccacatact tagtgaaatt tctaanattt at

342

<210> 36598
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36598

tgtttgatat gattgatggn gacccgngt tgagagaaac gaggatatgg gctacgtggg 60
agtacgtgag ctcagttgga ggtgggcaac aggggatggt gggtttatgc gcgcattgtg 120
gatgtggaaa gcttgttgtg caccatcgcc cgaccgccac ctagtacgac atgtgatggg 180
taccataa tcctacaagc ttgagatgag gaagtgttga agggtgaaac ttcctgcttt 240
tattgttgac cacagagtgg tacctggaga tatgtcgcgg gggtcaggag accttgtgga 300
cgtcatgtgg ggtgctattg cccaatacca agcttgacct atcccgaccc aaccgggca 360
tagtcagtca gtgagaacat gtgacgtacc taatc 395

<210> 36599
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36599

tcttttggac cttgaacagg caactaactc ctctttttaa atatgctatg ngctcgcgac 60
tggtcccttt gttcctttcg caacttgagt tcaactattgc taccatag agtccgca 120
aatttgttc ggccatactc ttccttgca gccctcttg tctctgttc aagggctctt 180
gcggaattg cattctcttc ccgtaaccg gcacactcct tccgaacgtg ttagcgcc 240
aacttgaact tctccttggc aagttttgcc tttcctaact cgcttttgag agcttgact 300
tcttcgtcct cttccggtgc ttcaaaactc tctttgctga cgactttta cttggcgagc 360
caatctaaac ctcgtatatg aac 383

<210> 36600
<211> 353
<212> DNA
<213> Glycine max

<400> 36600

gtgttggtca aataaatacc actcgaatgt tgcttccaaa tccaagaatc tgctccatgt 60
 tgttgaattg atatcatgcc tatttcctat aggaattctg cagccattga agcttcacta 120
 tcgaataggt ttctcctcca attgaaattc cattcccacc cttcctcctt gtggcttccc 180
 atgagtctga tagtctgttg ttgttgggta gaaacttgat acagcgtagg aaatttgtac 240
 attaaagttc tgtccccccc tatccatttg tcatcccaaa atctggatcat gtctccacaa 300
 tgcacctttc actctatatg atcctttatt tttattcact cctctatctg att 353

<210> 36601

<211> 351

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36601

gcattcccta tatgttctag aatncagtta gtagttttct taaagcatta cacactatat 60
 attgcgtaca acaaatatgc aatttgatcc aacgtgtata ccatcttgga tggtaaaagt 120
 aggtaccttc tggaggttgg acaagcttcc gggtatgagg agcggccatt tccttcttca 180
 actgtgtcag tatgtcctcc atgggtgtact ctctttgcca atttgcaaga agaccaaatt 240
 tctttgggtc aacctatttc attcaagtct ataaatcttg tcacaaagat aattagttat 300
 taagccaata aaatagacta aattgtctca taatcataca catgagaagt g 351

<210> 36602

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36602

nattcttgac tttttcaaaa taaatnngaa agactcagct cgaatnggat tctgattatt 60
 tttgcgtgac cattattaag tcaaactcaa aatataatac tatggcttca agtttaatcc 120
 aaactatttt tctaaatcaa gagtaaataa ctatgattga gttaaagtga tatgcactga 180
 gcaacaaacc cattggccat cacctcttaa acacgaatta ttctttggtt tgataacaaa 240
 ccaacctctc ccaatgtctt ctgtactcat tattccaacc atgtatttaa gacaaaaacc 300

<223> unsure at all n locations
<400> 36608

agaggcnnnn nttgagcttg ataatcctaa gttatcnna tngnagancn nggnnnnnnn 60
gnnntttttt tttnnnttnn nnnnnngggg nnnnnngggg gggnnnnann nnnnngncnn 120
nnnnnnnnnn nnnnnnnnnn nnggnngggn nngnnnnnnn nnnngnnng gggnggggng 180
gnnggnnggg gggggggggg gggnggnggn gggnnngggg ngnggggggg gggggggggg 240
gggggggggg gggggggggg nggggggggg gggngggggg gggggggggg ggggnngggg 300
ggnggnnggg gggggggggg nggggggggg gggggggggn gggggggggg ngggngngng 360
gggggggggg gggggggggg ggnngggggg gg 392

<210> 36609
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36609

tctgaggagg tgtctcagga ctgcgaggct tctcgtgta gttgtgcttt ccaagggtgt 60
gctttcggca tggttgatgt ttgagaggag ggaggatgag cttgagggtg tgtcttctat 120
ggattgtggt ggttgtgttc ttgaatgtcc gaagggtgaat ttggtgaagg gctctagtcc 180
ttgttcaatc aatgataggt gccagtgtcc acaagggact aaagaggaaa ctagcaatga 240
agaaagtgtg tttttgtgtt tgccagatga ggaacaaaag gatgtttctt tctgcattgc 300
gagtgaggaa attgattgtg ttaagtggag aattgctgcc ctttctgacc cttttaaggc 360
aatgctttat ggtggctntg ctgactccaa gatgaggaag attgatntca gcanaaatgg 420
tataagctca cagggtatga cggcagtgga gttgt 455

<210> 36610
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36610

atctngagtt ttaattgctt tgntcttccc ataagcagta gtcagtagtg cactctcacc 60
catctccatt acaagccttt cttcttctg aacacacatg gtcattaatt cattgataga 120

ccatttatct ntatgtgtgt ttaggaaat cttaaaggc ccatattcat gcggaagggt 180
 gttcaaaatg aaatgcacta ngaaggactc agacatatca acctctagtt tcttaagttg 240
 agctgaaata tctcgcatth tcatgatgta ctcacgcaca cttttcacac tggtagagccg 300
 aagagaagaa aacttcatga tcaagggtgct tgctaaagtc ttatctgaag tgatgaactg 360
 gtcacatg gccttaagca agtctcggac cttttcatgc tgggtca 406

<210> 36611
 <211> 590
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36611

naagggaagg tacgcgangt tttaccatcg atgcncatcn gnnncactcg acnccccctc 60
 ngnncatnnn ccccnncnncn ngntgatgcc nnatnagnagc cccacnctgn anngcattgc 120
 anaggctttg attgttttat ggtncctttca cccgtatgaa nanggatncg gagggggggg 180
 tcttnaaaaa agagggaaga attaatcat tcttgctttg gacgaattga naaaacttgg 240
 ggccacattg aaagatgggt gaaggattga agggaaaacc cccgtgctgtg acttgcatte 300
 ctatacgacc aagtttccac caaccacaaa tgctattact cagccaataa cgacccttct 360
 cattacctac caccagaca tccacaaaagg ccatccctaa aatcaaccac aaagcctacc 420
 taccgcactt ncaatgacaa acaccacctt tagcataaac caaaacacca accaagaaat 480
 gaatnttgca gtgaanaagc ctatagaatt caccccaatt ccagtgtcct atgctaantc 540
 tgctccatat ctacttgata attcaatggt agccataacc ccagccacgg 590

<210> 36612
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36612

ctcagctgga caagggaagg aattnttcta ccatctacta tggtactatg tttaaatgag 60
 cacagatgat tatgctacca caganaaaga aatgttgga attgtctatg cacttgaaaa 120
 gtttaaactt tatttggtag gctcaagagt tatcatctac actgatcatg cagctattaa 180

atacttgctc aacaaggcta attccaaacc aagattgata agatggatnn ttttgttgca 240
 agaatttgat ttggtgattc gcgataaaaa gggatcagag aatgtttag ctgatcatct 300
 gtcaagatta gtgaatgagg aagttacagc anaagaagtt gaagtgagag atcaattccc 360
 tgatgaatca cntatttttaa taagtgaaag accctggt 398

<210> 36613
 <211> 691
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36613

agggacaacc nnnnnnnagg ggnncccnac tgatttaaaa ttggacctnt natnnannan 60
 ctningcgnag nancnagcga nnnnnnnana nnnngncnag nangcatgtc nancannnna 120
 ngttttataa ttctnccca tcacaangaa acnacnaagg ggggttgata agagacgaan 180
 agnggcacac acaacacacn cccaacanaa cacnaaaaca cannnncaaa cccacacacc 240
 acacggaagc acaaacaaan gacacgagcc acacgacacg acgacaacga aagcacaacc 300
 agaccgcnga agccagaaag acaacacaaa gnggcnccaa nacaaagcac aagcacaaaag 360
 cagcccaccc agacanngca acacnaaaac ncacaaacga ngccanagac gcacacanca 420
 aaaacgcaac cgagaacngc agcgccacaa cacagngagc aggagngcga ggacaaacaa 480
 cacacgcacc cgacaaaccc canagaaaga gaacatcacc aagcgcacac cagcaacaca 540
 gaacagcgac agccgacaaa acaacgacgc cacacgacgc acaancggac acccaaaacg 600
 gatacgaccc gacaacaanc acacacgcga agcgcacaaa caacaggacn agcgccaacn 660
 gaagaacaaa anangagccg cnananacac c 691

<210> 36614
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36614

ccctccaatg aactgacgca atgcgaacnc atagacacta catctatgat caagcaccat 60
 gactgggaca tatcgagtga gaagnnatat tatgttttaa cattatcgag agcttcatt 120

tcacgagctt ggatgacctc aagagagtat tattagaaaa aattttccct acttccagga 300
ccacagccat cagaaaggat atttcatgca ttatgcaact aagtggagag agcctatatg 360
aatactgnga gaatatttaa aaactatg 388

<210> 36617
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36617

agcttggatt tgatgcttca atggangana agaaagaggg agagaaagag agatggggga 60
gncacgaaat tgaaggata naagaggtat agaagtggaa ctttgaagta tgtctcacia 120
gactctcttt catcanagtt acaacaagtg ttacacatgc ttctatttat agactaggta 180
gcttccttga gaagctntct tgagaaagct tctttgagaa aacttccttg agaagctaga 240
gcttagctac acacaccctt ctcataacta agctcacctc cttgagaagc ttccttaaga 300
agattcctaa agaagctaga gcttagctac acatacctct ctaatagc 348

<210> 36618
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36618

gctggctatt ataganagtt cattgaaggg attttctata ttggcattgc ccctaactaa 60
gtggactcgt aagaatgaga agttcttctg gaatgagaag tgtgatcaaa gtttccaaga 120
gttgaagagg cggttgacga cagctccagt gttaattttg cccgacccta agagaacatt 180
cgaagtgtat tgcgatgcaa gcgggcaagg cttgggggtgt gtggtgatgc aagaggggaag 240
agtagtggct tatgcttcgc gtcaattacg tctcatgaa tntaactatc cgactcatga 300
cttggaaacta gcagcgggtg tctttgcctt aaagatttgg aggcattatt tgtacggtac 360
ttcgtttgaa gtttcagtga tcacaagagt ctc 393

<210> 36619
<211> 269

<212> DNA
<213> Glycine max

<400> 36619

aaagcaagat gactgattcg ctgaaccact gcaaaccaag agtggcttgt tttttccga 60
ggcatggttg cttgattggt gtattatacc tgtgcggtac attataatat ttgtactaaa 120
taaattcaga cttgatgtat cgactcgtaa taccacgtcg cggcgacctg gaaaagagta 180
attttataag cttttataaaa cggactatgc gtttttgatc ttttacatga ttctaggata 240
gtaacatgct cagtgc aaat gtttagcgtt 269

<210> 36620
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36620

ccaagttgcc atctctaca atctatattc tgttatacag cttctagaga gtgaaaacta 60
tacatgtacc tttttcttca ttaccatgga ctctatgatt tctcattaga atatattctt 120
caacacccta attaaagctt gtgtacctga agaaattata gagattangg aaaagttaga 180
acaaaggact gaataattta atattaattg aaagtgcctg gctagccatt tcaattagag 240
gtgtttataa caaagcctat atttcactgg cttatgcaac ttatatggct tcactttgct 300
ttatgatata tg 312

<210> 36621
<211> 261
<212> DNA
<213> Glycine max

<400> 36621

gaacaccgcc ggatcgaaca cgagctgcat ttttttccaa ggactggagg caggggacag 60
caactcctcc cttaaataatg atgctttcct cataattatt caccctaatt tcctatgctg 120
aaacactccc tatcaactgt agcctaaca gctaaatcta ctctagtccc tctctatacc 180
tatcagcaaa atacctatctt ttcaaatagc ttctaccag ccaataactag tgaaccagcc 240
ttctcttgcc agttgatttt c 261

<210> 36622
 <211> 426
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36622

 ttctacttat gtggcgggog ggcttccttc acttttttgt atttacgcga gctttgacca 60
 ctgttcttcc ttcccgcgat gcttcttttc atgtccgcct gagtgggctt atagcctaaa 120
 ccatacttcc cagcatttcc ttgggttttt atcaggctag ttatgccgcc gttgtctttg 180
 cctaaaccca tcccgggttc ataaccgttc cccaacataa ctcgggccat cattaccgct 240
 gcatcggaca gacaagggtg cccaaagagg gagtccacgg aggaaatgtt gaccacctca 300
 aaagactgga nagecgtttc taacgattct tctgcggctt ccacataaag catggaggat 360
 gggcagctta ccaagatata ttcctcacct gacacgatga cctagtgcc ctccactatg 420
 aatttc 426

<210> 36623
 <211> 285
 <212> DNA
 <213> Glycine max

 <400> 36623

 gaaaaccgcc gggatcgaat gacgcgtctt ttactcatt tccaatacgg cttgaacaat 60
 tcttcaacta tactaaact aatgcctctc aggggactgg cagtagctta atccactgga 120
 aaagcccttg taaagacaag gggacgcaat aagactcacc tgatatcaga gtaggaaaaa 180
 attgaaaggg aaaaaccgtc ttataatgag gaactgcgtc tattgggatt gtacggtgac 240
 accctgaata tgactctgaa tatgactaca ataggcctaa atatg 285

<210> 36624
 <211> 304
 <212> DNA
 <213> Glycine max

 <400> 36624

 caccaatggt ggatgaacat aaagatttag ctttgtgttg gagacgcaca gagagctgtc 60
 tgatatttct gctctgagtg aagagagaca ctacagcttt ctgggttttac atagaggcgc 120

ctctcttttt ctattatttt atttaagcta tgccacatgt ccctcattga gtggagcaca 180
 ctgggcccac tttctctttt gattgtgact cataactcagc cccaagcagt gacaaaaacc 240
 tgaccttcga aacgcttaaa tcctgactcc gcttgctagc catttctctg gatctccgtc 300
 cttt 304

<210> 36625
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36625

tgttttgatt tttatacttg tccttcattt aactgtcttt gggcttggcg gccacactca 60
 acaaagtact ttcgacacct actgtacgtt gatttgacca atgctgttat gggaaatgttg 120
 caacaatcct tcaaaacctt attgatacat tttgagaggt tggttgtcat gtggccatat 180
 cgacgtcctt ctctatcata agccatcgtc catttttctt ttgaaatgcg atcaatccat 240
 gttgctgtgg ctggacttag ttgacgaaat ttttctaaat tttggtaaaa aaatgtgctt 300
 gcaaggagtg tatgctgcat aaaatgagtt atgaataaca attttaagta tatattaaat 360
 aaacgtgacc atcanatatg aaatc 385

<210> 36626
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36626

agtcgntgca acatgatcat acattcatgg attgngattt attatcacac tcaatcggcc 60
 agagcatagt gtttttggan aatgtcgctg atgttcggaa tgatttgaac gagagattct 120
 ctcaaggaga ctttatcaga atttctgaac ttcaacaaga gatatatggc ctcaggcaag 180
 gttccttctc tgtcactgaa ttttattctg agttaaaaat actttgggaa gaactttaaa 240
 catatatgcg tattccatgt tgttctgta ccattaaatg cacctgtgct gcaatgagaa 300
 atgccagaca ttntcatact cttaattatg ctataagaat tttgactggt tngaattgaca 360
 atttttcagt agtgaaatct cagatcctna ctatggatcc actgcctagt atgaacacaa 420

tttttc

426

<210> 36627
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36627

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ggatggcgcc tctctcacc tctnttctt tgtcttccgc tgcattctca tgggtggaaaa 120
tcatcattaa aggatctcat tgaagctcac agatccagcc tccatagaag cccacaagc 180
aagcttccat caacttctat ccatttctct ctattaatat ttgttgaag atattggaat 240
ctgatttcat catcttcagt ctaacaattc atatactcta atccgtctat ctctgcaatc 300
taattgcaac aagtctctgt tgcaaagtga atgggtctct tgctggtttg tgttgatattc 360
atttgccaca ttaccacgta cttcatgtga tatg 394

<210> 36628
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36628

gcttcttattc caaggctcat cttgggtggag aagctntttc ttctttggnt tattccttaa 60
aggatggcgcc ctctctcac ctcttttctt ttgtcttccg ctgcatctcc atgggtggaaa 120
atcaccatta aaggaccca ttgaagctca nagatccagc ctccatagaa gccccacaag 180
caagcttcca tcaagtggta atcagagcac aagagcttca agtaggtgct ccttaaacct 240
ccattaattt ttgtctttac cttctcttcc attggtgntt cttcatntt tctccatgta 300
tctctcaca tgtcttggtc tanatgttnt taacatgatt ctttagagtt tccaccgatt 360
aaacttgcta tagaagctag atntgatttt ctatggttca aatttcttgt tcttggttctt 420
gaaccatgaa ttatgttgag ttt 443

<210> 36629
<211> 392

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36629

 atcttggatt ggatgcttca atggaggaaa agaaagaagg acagatagag agagggggga 60
 gcacganatt gaaggaagaa aaaggagag aagttgaact ttgagttgtg tctcacaaaa 120
 ctctcattca tcaaagttac aacaagtgtt acacatgctt ctatttatag agtaggtagc 180
 ttccttgaga agctctctta agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240
 gagaagctnt ctttaagataa cttccttgag aagcttcttt gagataactt ccttgagaag 300
 ctatagctta gctacacaca cccctctaata aactaagctc acctccttga gaagattcct 360
 aaataagtta gagcttagct acacacaccc tt 392

<210> 36630
 <211> 246
 <212> DNA
 <213> Glycine max

 <400> 36630

 agtcgtaaga atcaaagaga cgttcgatct ggagtcgaca tccgtgtgag gactcatgag 60
 aagactcgtg atattcgaga gcatcaagac cagcatgaag acaagtataa gccgatttgc 120
 tgcagaactg atcgaatagc agaatttgtc cagctgaatt gctgaggag gagcctttta 180
 tgcgagtctt tactctctga gaatcaatta ccatgacgca gcattcgatt accagaagcc 240
 caaaac 246

<210> 36631
 <211> 411
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36631

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 atcanaagtc ctcacccgtc gatgttttta acaaaaaaag gggggacaaa cncatgnaatt 120
 tcanatagat tgattanacg tcanacggct ccattgctgt cactccanaa tggatcaagt 180
 actaaatcaa acagaacata cactctgagg gagttctcgg agagatttgc aaaagatagg 240

ataaggttgc atgaattatc acctttttca naaggacagt caatctgtgt tttccaaaaa 300
 gattaaatca naatcaaaat cacaaaatag ggaaagaatg tcatgaacat tgtacaactn 360
 tccattgcat tgcattgttt catatgaggt cagcgttacc aagtttcaca a 411

<210> 36632
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36632

tgagctcatt gttgctaccc cacanagctc tcatgaaatt gtttggccac gctcttcctt 60
 gcgagccctc ttggtttcctt gttcaagggc tcttgcggtg gctgcatttt cttctcgtaa 120
 cccagcacac tctttccgga cgtctgtagc gaccaacttg aatttttctt tggcaagtct 180
 cgcttttctt agtttgattt ttagagctcg gacttcttca tctctttctg gagcatcgaa 240
 gttctcttctg ttgataatct ttaacttgga gagccaatct aaccctcgtg tatgaacttt 300
 cagccattca tgataaccac caatgatgcc attacgaatg ccccttagtt ctttaacttt 360
 ccttaacgag cnttcccacg ccttatggac tctatgtata atcttgaaac tttgcgcgcc 420
 gaaatctctc ac 432

<210> 36633
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 36633

cactgaccgg gaccttaagc gactgcattt tgctttattt gaagtgactc ctctaaaatt 60
 cactttacaa agacactgtc ttttaatttt gacaagaatg ttcataaaat cactcctatg 120
 tggaggatca ctaattcaca cataatcact tagtttatatg gtgtcttggt actatactac 180
 tatcgacttc tttatatatt tctttcaact aagaattaaa aaaaacctgc tttcctcaaa 240
 gctggccttg cattaaagga aaa 263

<210> 36634
 <211> 443
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36634

cttaactacg tattctttta agacccana tgtagcttan attatttaatt taaggcatta 60

ttgagtgcc tagtttgaaa cttctaactt taattaatcg agacattggt aagggtactt 120

agaaaaana ttaagtgtt caatcaagca gtattcagtt aagattggat cgatctgata 180

tagaaaggaa aggttaggaa tntgtctaag tatttgtgga aatttttgaa gaaaaattcg 240

attacgaaaa cgaagattat gtccaatgta gccatttttc ctcgattgca aaatgggtatt 300

atacctcatt attacctctc taatgcaatn nttntatatt cttgtcaatt gtcttcacat 360

tttaatttac tcgctttctt tttatatntc caacacattt attcttttct tttegactta 420

tattccatgg cactttaaat tac 443

<210> 36635

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36635

agcttaaatt tgcggttgta tgacttanag tactaacaga gcattttaga ggggtnttac 60

ttntnnntgt ttgaaaaact tacataatta gcataaatat ttttgaaaca atttttaatt 120

aaaaaaaccg tctttcataa aacacacaaa cagtaggcac taaaaccttc ccaaatgcta 180

agacaacaaa ggctacatta caaacaaggt ccagtctaga gcaacacatt cacttgaagc 240

aagttccaaa gtacctcatt agaacagaag cagcgataaa catgaccgga ttggtgtagg 300

ttctccgcat attgtttgta taaagaattc ctctcagact gcctataatg accataatcc 360

cctccaacac cangccctaa canattcatc acaaccaca aaaatacaca cttaaccata 420

aacaaaaat 429

<210> 36636

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36636

tgttgaactt tgtgaatgaa agcttatgag atcacttaaa gttcccttct ctctcttcta 180
 ttccttcatt tgtgctccct ctctctcttc ttgctccat taagctcctc ttaagctttt 240
 tccatggaat ttggtgggaa ctcttttctt gctattccta tgatggctct cccttccttt 300
 tctt 304

<210> 36639
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36639

ctcaagctta tcatgtgagt gtcgtaggac atctcccaat caataaattt tctttaacta 60
 catcaaatag tgcacttaat gcatgtgaaa ttataaaaact acccctaata caaaactacc 120
 ccaaaaataa tgaaacccta atctaataatg tacaaagata agtgggctca tacttagccc 180
 atggggccaaa attctaccct aaggccttct tcagcagctc tagcccaata ttcttgaggt 240
 cttctatcca atacccttgg agggtaggat tacatcatat gtggatatta ttcttgatag 300
 tttaatttgc caatgatgga caaagtcttc caaaggggac tcaantttgc ctgatagatt 360
 gaatcanata gattcaaagt tcatgatag 389

<210> 36640
 <211> 343
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36640

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 taaaaagtta tcgtcgatg aattggctta agctttaaac attcaaattt gagcgtctcg 120
 ttatattaca ggactcaatc agacatccga gtaaaaagtt attgttcttt gaattggctc 180
 agaggttcaa cattcaattt tgagcgtctc gatataattac gggactcaat cagacatccg 240
 agtaaaaagt tattgtcggt tgaattggct cagagcttca acattcaatt tcgagcgtct 300
 caatatatta cgggactcaa tcagacatcc gagtaaaaag tta 343

<210> 36641

<211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36641

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 ccgtaatata tcgacacgct cgaaattgaa tgttgaagct ctgagccaat tcanacaaca 120
 ataacttttt actcggatgt ccgattcagt gacgtaatat atcgggacgc tcaaaattga 180
 atgttgaacc tctgagccaa ttcaaacgac aataactntt tactcggatg tctgattgag 240
 tcccgttaata tatcgagacg ctcgaaattg aatgtggaac ctctgagcca attcaaacgg 300
 caataacttt ttactcggat gtctgattga gtcccgtaat atatcgagac gctcaaagtt 360
 gaatgttgaa gctctaagcc aattcatacg acaataactt ttactcggga tgtctgattg 420
 agtcccgaat ataacg 436

<210> 36642
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36642

agctntgtgt tcttaccgga agatcatctg tcatcctctg ttgaaatact ctgtatgcga 60
 gaatgtcctt tgctggaagc aagatatcaa attcagaatg ggagatattg gtctaggatt 120
 gctcacattc cagctatcca gataaatgaa aaagtataa tatgagttgt tgcataaata 180
 agagtcattc aaagataaat aaataaaggc ttaaattatt ttgaaaaagt atgatgttaa 240
 tggtataaca tttttatttt tatttcttgc actcccaaga gaacaaattt gcgtttcaaa 300
 cttcaagttg actacataaa tagttgtcca tggatggtac atctgt 346

<210> 36643
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36643

tatntanatg cattagttgt gttgagatcc ttccttattt gttgatgttc taaaaaattt 60

taaaactttn taaaaaagta taaaattttt tagaatatct tgaagctggt gaaaaaatgt 120
 gaaaacctaa atattcttga gatgtgtgga accttctaga actttatgaa agcgtatgga 180
 aggatatcaa agggagtaga agagtgtgga aactcctaga atgtgtgaaa cattctagag 240
 agttaatttt caccctaaaa tacaagtaat ctccaccatt cattatggag gtggagtaat 300
 ataaacacga gtagagttag agagcctttt tgagagagaa gatagataac ttgaaaaatc 360
 tctatcttca agcttgagtg aaccattata gagtccgtca atcttgtaaa tatatccttt 420
 gaattcta 428

<210> 36644
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 36644
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 attgtaatcg aattatacat tatgatatat agtgaagaga taaaattttg taataaatta 120
 ttgtaaaatt atattaatat tagtttttga tcaattaaaa ggggtgaaaac ttttacctg 180
 acaattatat ttatttaact caaacaata tttttaagct gaaaaataga ttactattac 240
 attcatttaa gtggtacaaa atattaaata atgacaatac tattttcttg taaagcgggt 300
 aaaaaagtca atgtcactta tccttatcaa tgagtctcaa tcaaacatac cacatacatt 360
 aatttaatat c 371

<210> 36645
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36645

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 tctcttttca ccttttacac ccttttgtat atttgatccc ttcattgacta tggagggcta 120
 aacaatccac tgttggggag cttcccacca aactctcttg atgtaaaaac tcttactatc 180
 tatataatat tactactagt ttcattgctc ttctgtgtt gatttccatg tatagatgta 240

<212> DNA
 <213> Glycine max

 <400> 36648

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 actaaattat atccatgagg gtgcaaaaaa aagatcgggc tccgatgata tccctacagc 120
 ccagcagaga gctaggtccc aactgagcga tcagcatttc aaggagaaga ctgcgccaga 180
 agcgtgcata taaagaa 197

<210> 36649
 <211> 273
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36649

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 agtcaattca agaaattggg agaagagatc ctgtctcaat ttaactagtt catgtcaatt 120
 tgattgctaa ccttcattga agttaacttg ttcaatgctt ccagctacac cataaccctg 180
 gattacattc acatctttta caaactgagg tgagagcttt ggaagcaaatt ttctggagtc 240
 tacaatcaca gccttgaaca tgcgtgatgg ggc 273

<210> 36650
 <211> 403
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36650

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 tgcacaacaa gttntccaca tccacaaatc gcgcataaac ccaccatccc ctgttgccca 120
 cctccaactg agctcacgta ctcccacgta gcccatatcc tegtctctct caacaccggg 180
 tccccatcaa tcttcccaag cttccccaac atccaagtaa tacaacattc aaacagcaca 240
 aactatcaca gccaagataa cagggcatat gcagaaaact ctgccccaaa caccaaccaa 300
 aatcacagct gttctcactt aaagacccca gtaacaattc cttcgttcca gttcgttaac 360
 cgttggatcg actcgacaat tntactgcaa gtctctatac ata 403

<210> 36651
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36651

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 tgatgttccg agtacattgg atttggtagc accatgccct cctgatttcc acctggggaa 120
 ttggcgagtg gaggaacgcc ccggcattta cgcaacgagc ataatgtaaa cctttatggt 180
 tntaaaagct ctatagttgg gcctaggctn tagagttttt ccttttggtt aagctntgtg 240
 tcttttggtt ttgaatttat aatacaagga tctttcttca tctattccta cgtctctacc 300
 cattctcatt catttgcatt tntacttctt tatttctgaa acggcagatc cgatgacgag 360
 tccccgaag gtactaatac ctgngaccgg cttatcaact tcgagcaaga aatgaatc 418

<210> 36652
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 36652

gcctacagtt aatgtcaatc cagccactgg gagaggatca acccctcata aagagaagta 60
 tcatagttat ctgggagttg tagcacgaga gataattcct attgtccact ccaattggaa 120
 tgttgtacca gaaactttta agaatcttat atgggatgac atttttgtaa gtccttattt 180
 aagttgacat ttgtatatga tgtcatataa taattgcaaa aatattatat ttgactaatt 240
 gttactgaac aattttgttt tggagggcaa atttgacatc cccgatgggtg gcaatgctga 300
 aaagaaggtg atgtcaatgg tcgctactcc atg 333

<210> 36653
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36653

tgagattggt gacgattatn ccttnctcat tataagggat attttatatn actnggntga 60

[illegible][illegible][illegible][illegible][illegible][illegible][illegible]

caaattccac accaaacaag gaaataaggc gccccaccg gatgggagga caaacaaggc 360
 gccaaaccaa ggagccagac aaggaccac acggaaagga gaaacacca acgcacggcc 420
 cgagaaaagc ataaagccag gcacaaacgc aaaacatcaa gggcaacgga acgacgacat 480
 acgacacaag tgcct 495

<210> 36661
 <211> 530
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36661

cccaactccg gggggaacat gaacggaaca aaaaacncc cccccagng ggagagtagc 60
 tgagcactga aaccaccanc cgggaccga agcgacgcag cgagcaagga gcttctagnt 120
 ttttacaagc cgcgccgccc gccagactct caaatgccac actcgccatc aataacaagg 180
 aaatgttcac tcttacaatc agataaagac aaagatcatg cggaaaaacg aattatgtga 240
 tataactcag ttttagaaaag aataatccag taaacaatca tgaaaccaga tgggtgcaaag 300
 aacttgcaac aggaacgaat gacataatga tgatcactac tategtgcat aagtcagaac 360
 accaaaatag atataaaagg tttcttagac cacgaaccac gaaagacaca caaattgtag 420
 atcgagaaca ggtaaagcaa cctgcaacac agaggcggaa agcaaaaaaa aactacaaga 480
 aatcaagtgc ctaacgacct cataagcgag ggagagaact actaaatagt 530

<210> 36662
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36662

tgctgcagct accattgctg ctttgcttct ccactatctg aggatcttta cctggaactg 60
 cttcgtgaag ctgaaccaga atccataacg tgtaaagttg ccaacaatat gctatggtta 120
 aggaaagaat tccccaaactc ctgcaacata tntggataaa gtattttctaa gcgggctgaa 180
 atatttttca taaaataaat gggacaaatt ccatattcta tagtgtatac aaacttttct 240
 aatcaactaa attggacaaa tttcatattc tattagtctc tatactatta gacgtctaca 300

327

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<223>      unsure at all n locations
<400>      36668
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<210>	36669
<211>	372
<212>	DNA
<213>	Glycine max
<400>	36669

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catctccatt	acaagccttt	cttctttctg	aacacacatg	gtcattaatt	cattgataga	120
ccattttatct	ctatgtgtgt	tgtaagaaat	cttaaattggc	ccatattcat	gcggaagggt	180
gttcaaaatg	aaatgcacta	cgaaggactc	agacatatca	acctctagtt	tcttaaattg	240
agctgaaata	tcttgcagtt	tcatgatgta	ctcacgcaca	cctttcacac	tggtgagccg	300
aagagaagaa	aacttcatga	tcatagtgtc	ggctaaagcc	ttatctgacg	tgatgaactg	360
atcatcaatg	ac					372

<210> 36670

<211> 294
 <212> DNA
 <213> Glycine max

<400> 36670

agctctacta tatcactctg gcaaggcact ttccaacctg atctacagaa gatagaacct 60
 aaataagaag ccaagcaggc cttttggtag aaaaaaggta tgtacgggtt ctgggtctat 120
 tataacaaaa aagggggaga acggattttg ggatgtgtct atcccacaac ctgggtgaaat 180
 gtaagaccac ctacataacc taaacccaaa gagtgtgaagc gagggattaa aaacctagtt 240
 gatcacttat aaagtcaagt agaacatatt attctatttt gattcccaac atgc 294

<210> 36671
 <211> 251
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36671

ctcctctaata agaagagcga tatgcacttc ttgcattgta cattcgcttt atcgtgggga 60
 aactgcggca ttgtgttttt cacgttaaca agatgttttc ggttcaccat cgactttgtc 120
 atatcagcaa taattntctt ttcttcctta atcaatcgcc ccgcgtatgg atgtccaact 180
 aaggacttcg caaattcatg attatgaatc ccacagatca acttcaccat ccaaccttct 240
 cctccatgca c 251

<210> 36672
 <211> 575
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36672

gcactcgact cgtgacgctc atcgtgatct ataatactta tcacacactt aacntcnccc 60
 ncnnnnnnag gggnaagagt gagcttgatg actggcaaac aagccagacc cgggacctta 120
 gatcgactga ggcagcaagc gaaggttggt ngtatagtag taacgagcga ggaagggcag 180
 gaagcatcaa ttattcacag agaggtcggg cctattgaac agctattagt acgtaggaaa 240
 tagccatttg ctagaggaga gtctccataa naagacncaa taataagaat aataaacgcg 300

taccaacaa gctctctcac gcgctgaaaa gccatcaatc tgtcacgaca aagaacaata 360
 taacaacatt ttgcaataga gaagaccagc ggaccgaaga gttaagaata ctgcgaaaa 420
 aaccaccgcg agaggtcggt aaaaaagtga tacttgctaa aaaaaaatga ggtggaagct 480
 caagcccctc ttgctgggaa acacacatat cgtatagaac aataccggaa acaacgacac 540
 tgaaagagaa gccgcgtatc gatatccagt gagan 575

<210> 36673
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36673

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 aaaaaagtta ttgtcatttg aatntgctca gaggttcaac attcaatttc gagcgtctcg 120
 atatgttacg ggactcaatc agacatccga gtaaaaagtt atggtcgttt gtattggctc 180
 acagcttcaa cattcaattt cgagcgtctc gatatgttac gggactcaat cagacatccg 240
 agtaaaaagt tatggtcggt tgtattggct cagagctgca actttcaatt tcaagcgtct 300
 cgatatgtta cgggactcaa tcagacatcc gagaaaaaat tattgtcggt tgattggctc 360
 agagcttcac attcaatttc gtgcgtctcg atatgttacg ggactcaatc agacatccga 420
 gattaaaagt attgtcggtt gaactgctc 449

<210> 36674
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36674

ggggacgtca ggtggggtgc tatntccac aaccaagctt gaccaatccc gacccaactc 60
 gggcatagtc agtcagtgag aacctgtgat gtacctaaac aggcaagctc ctggcagcaa 120
 cagataagag gaacaaagac cacacagcaa tgaagcttgt gtgggtggctg gccagctgtg 180
 aaacttgatt gatatatggg atgtggcctc ttgtcatcga ttaccacagg tgggtaatca 240
 ttacaaggct ttaaagtgaac acat 264

<400> 36675

<210>	36676
<211>	358
<212>	DNA
<213>	Glycine max

agcttccctat	atctataaacg	gngcanacaa	gggcaccaag	aagagcaaga	agaagaaccc	60
tacaagccat	cttgtggtag	aaaaaccaag	taattaactt	ggacaagatg	gctattgatg	120
aagactaaga	gaaggaaagt	agggtttata	tatgcaaagg	gcaaagggta	cgtaaggggtt	180
aaaacaacta	agagctacta	aattattatg	atgtatacga	acatatgctt	taaattggat	240
catcttctta	accatgcaaa	cgcgttgggg	tacataaatg	cttccaactg	cctctatttg	300
acaaaagaga	aatacctcaa	ccactcatat	atctctaggg	accactatt	cggttatc	358

<400> 36677

15279

gtaaaaataa tgaatgcatg ctagagataa aatgtgggag tgatttgatt ctactga 358

<210> 36678
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36678

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gcacaacaag ttnttcacat ccacaatgcg cgcataaacc caccatcccc tgttgcccac 120
ctccaactga gctcacgtac tcccacgtag cccatatacct cgtttctctc aacaccgggt 180
ccccatcaat cctcccaagc ttccacaaca tccgagcaaa acaacattca aacagcacia 240
gctatcacag gcaagcaaaa cagagcacag gcagaaaact ttgccaaaac accaaccaaa 300
tcacaacttt tctcacttaa agaccccagt aacaattcct tcgatccaat tcgttaacct 360
gtggatcgac tccaatatgt tactggaagt ctatagtaca tgaacctac 409

<210> 36679
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36679

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tctatgacaa gctgggtggt gaaagccttg cttgccactt gtgttcatgt gattaaattc 120
tttgaacaa acacaatttt gaataaccat tgtgagcttg tcacttgatg acaagtgaac 180
tgttctttct ttgcttgagg acaagcaaaa ctgtgaatat gggggagttg tcagtcgtca 240
tttacgacta acttctgtat tgaaaagcag tatgaaattc gtcttttctc caatttatag 300
ttctttatgt aagtttgtag atatttttag gtttagttta attttgctca gt 352

<210> 36680
<211> 244
<212> DNA
<213> Glycine max

<400> 36680

atcaaagctc actcgtgagt ggtatggatg aattgggtcta gcctttgtaa ttgcatattt 60
tctgtgaatt tagtcatgtg attttaaaat gagagtgacc tgagttgtgt ttatgacgtg 120
tcttaaatgg tgtaaggatga agtaaattgc agtccatttg aacagttagt taaatgagtg 180
agtcaaatga gcgacttgaa atgatattgg atttctagtc tgtcaaccac actggtcatt 240
tact 244

<210> 36681
<211> 344
<212> DNA
<213> Glycine max

<400> 36681

agctttattt catgaattaa gcagccatag atctgtatcg aaactagtat cccaaccact 60
aaaattctat aaaccaatcc ccccttgaat gtagaaccac accctgatgt tgctagacca 120
agagtggaaa ggaatgtcaa accttttttc catatgttta agccatgtct agcagaaaaa 180
tategcatca tccatcaatt tttgaccgtt gaagctcttg tttgagaaga ctatcctgtt 240
ccaatggtac catatacact agatcagaaa aaaatcacca agtttgccat cactatattc 300
tgataccatt gagatagaat ataagtgtcg aatgaagtgt ttcc 344

<210> 36682
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36682

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gagaaaaggc gagatnngta tagaaaaagg aaggagaagg gaaagcgcaa aaggaagggg 120
aagaaaaaaa aaaaaaacga aggaaaaaaa aagaaaaggg gaaagagaaa aaaagggaca 180
gaggaaaaga gaaaaagaag aaggagaacc gaaaaaacgc ggaaaccgca cgaaaccgaa 240
cacaaccacc aaagagagcc gacaagagac aaacaaaaaa ccccaaacc gaccaac 297

<210> 36683
<211> 589
<212> DNA

[illegible]

<400>	36683
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<210> 36684

<211> 323

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36684

agctgtcact	atatgcttac	ttgtgtggga	gccttcgggc	ctaatttgaa	gcctgcttct	60
tatcatgaga	taagagtgcc	acttcttacc	aaggaattag	agaatacaga	aattctgttg	120
aaagaccata	aagagcaatg	gggaagattn	gcatgttcat	ttatgtctga	tgcattggaca	180
gacagcaaac	agagatgtat	catttacttc	ttgatgaatt	gtccgtttctg	attattccta	240
ttctatacaa	caattgatgc	atcctattct	gtgaaatctg	gtgaatatat	atctgagtcg	300
ttggactcta	ttgtggaaga	gat				323

<210> 36685

$\langle 211 \rangle$ 360

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36685

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 ccaattgatt gagttagtgg gagatcgca ctcactttt cagatgatat caccctccca 120
 gttacgcagg ttggtggaca caggtaacac cagtaccttc ttccacatta naatggaacc 180
 ttccttggag acgccaatga ctataacca cctaataccg gcagtcata aactccttcc 240
 caaacacgct ttcctcttcc aactccttcc aactctagcc ccactctgag ccacagatca 300
 cagcattacc ctccttctta actcagcccc agtcaatgta aaaccttacc gttaccttca 360

<210> 36686
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 36686

agctagcggg ttgtactttc tacttaacac catcggttg ctatctcgcg ccgggggtatt 60
 gtgggctgcg aactggtgt gcgattgtct aacagcatcg gatgcggtcg tcgtggcatc 120
 atcctctata gattttggac tttagcgtgg actccgtgat ataagccatt tgatctttta 180
 aggccgatag atcggctctc atctgctctt gcacgccttc ttcattatc atttatttgg 240
 atcgagtgc atacgggtgc ctttgtgctc tcttagttat ggtgaattcc ctaaagaaac 300
 aaacaacgat gagcatgcca ccgcaacatg aatatgagaa tgaatgatcg g 351

<210> 36687
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 36687

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 tgctgtcaaa caaagtgtat ttttttgtc agcaaagata atatattata tattgaaata 120
 agtaccagag gtacttacta taaaaaaga gtccatatag atggttccac agtcagacat 180
 taatattctg agggggaacc aagctatgga tacagaatgc atatgaattt acatgtatag 240
 agtcataac tatgcaatcc cctgctgata cataaaactg tgtggaaaat tacttgacca 300
 ttgattaaaa tgcactgtga aatccttctc aaacttcta 339

<400>	36688
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<210>	36689
<211>	157
<212>	DNA
<213>	Glycine max

<400>	36689
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<210>	36690
<211>	362
<212>	DNA
<213>	Glycine max

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ttaccctcgg	aagcaaaaaa	gataagaagg	aaaatttcca	atcaaagaga	aagcaaaaag	120
aaaagaagga	aaatctccaa	tcaaagagaa	agctaaaaga	aaagaaggaa	aatttccaat	180
caaagagaaa	gcacaaagat	cagaaagaaa	atttctcaatc	aaagaatggg	agacagtaaa	240
aaaggaagaa	gaagaacgaa	agatagctcc	tgatcaatga	tcgaaagata	acagaagaaa	300
tgtgcagata	ggtctntgga	cgggacaata	tctgaacaat	atagaagtgg	tcccaaatga	360

<210> 36691
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36691

cggagagctg aatengannc ccnntnnccg gnccgggact ctagecgacgc agcagctctt 60
 gattctaatac gctcccatgg ctteggaggt gaaatgccac cttccctgga acanaanaaa 120
 agaatgaaat ttcctcttta ataacgataa gaaatttcca tcgagagagc aaaaaagaag 180
 aagaaatttc tatccagaaa aagagaaaga tttccatcta catgggaaag aaaagaaatt 240
 cctcaagat gggaaataat tgataaattc aagaaaagct ctgtcaagaa catagaatgg 300
 ccaaggctcg gacgacattt gacatcagat cgtccattga caagaataaa gaaactacta 360
 aatggctgtc ttgttcacc aaaatgtgcc acan 394

<210> 36692
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36692

agcttatcta ttgcatcatg ctcttgaccg cactgttctg catcgctcat taatcccaca 60
 cagattattg acatccgcac tgatgtggtt attaatgcat gtgagtgaac aatgtgtaga 120
 tgtgcacatc atagacaaaa gctatcgtg tgcacatga ctctcaactg tattattcta 180
 catcactcat cgagaccatg cagattattg gcattcgtat taatgtgggt gtcaatgcat 240
 gtgagtgtac aatgtgcact tatgcacatc acaacaana gtctgtctat tgcacatga 300
 ctctcaacca tactgttttg catcgctcac cgacccacg cgaattattg gcatccacat 360
 tgatgcagtt cttagtacat cagtgaacag tgtttacttg cacgcatcat aaacaaaagt 420
 atacttattg catcatgact c 441

<210> 36693
 <211> 351
 <212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 36693

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 ataccactaa atccagattt ggccttccga ctctcaaaga ctcaactgtt tttccactca 120
 taacaccata ttctcacttt ctaaccctaa gttaactcta ccttcatcc ctagcaggtt 180
 tccataagca atttcagcac accaactca aaagcatcat catanaaacc ctagaactga 240
 atgggtaagc ttaactcact caaacataac aagtttagca tgctttcgac aaatctcttc 300
 acagataact atcacacagc attatccaag caaaactgcc catcatatct c 351

<210> 36694
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36694

cgcacatcgg gcggaagccg ctaaccncc cccccccagg tactgtgact gcccccaaaa 60
 accgccagaa agaggaaaag aggttttttg caacacggaa gggggacaca acccaaaaaa 120
 gccacaccgg aaaaccgagg acacggaaac aacacgaacc aggacgaaca aacgaaagaa 180
 gcccggaacc gaaggagaa agggggacag aacagaagga aaacaagaaa cggggagaag 240
 aacacgggaa accgaccccg cgaagacgaa agaggaaaaa cacgaagggc aacagacacc 300
 ggaaccc 307

<210> 36695
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36695

accaactcat tntaatgtgc anaaagagna gtcttcactn tagctcatag gtctcgacag 60
 aaccatacaa agtttcttaa cagatttcta attatgtggg ccattaagtc tatgatatgt 120
 cgcaatagcc gagaagcctt gaatctcttc tgaggcggag taagtgtccg ccataaacct 180
 tggccttggt ctaacacagc aggagaaagt tcttgacttc ccattcaagg gtagagcaaa 240

ccgatctatc cacatggttg cctcttggtg taaagagtcc atcacccttc ctctagcctc 300
 tgtttctgcg tatacttgag catactcgtc cgcgaccta tgctcgtggg ctgggggtag 360
 acctaaactc tctttggact tggcgataaa gctaacatgt taggctccgc ctgcgataaa 420
 cgccgagaca agctcttttt tgacg 445

<210> 36696
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36696

cgcgtgagct ttgatccctc gataccccgc cnganccgga gatccctaga gtcacctgaa 60
 gcatgcaagc gcaagtttgt tttctatgct anccaccaaa gaagcgcgcc taggtggagt 120
 cacatcgttc acttgctgct gatgtagata gatcaccact tgagcctact agattagcct 180
 gctgcgaata attaaactca ttgataaaga aaatgatgat tgtggctcga tgatagcgaa 240
 catgatgtgc catgctctaa cggcagatat tacttttact gcgaccttca gaactcgatg 300
 ggctgctcc gtgtgattaa catagacatg atatttttaga gagatactag gacgtgtgga 360
 gcttaaacga tgatttcatt cccaattaga ttacagtagc acatatcttt tacactacat 420
 ctatgagtct tgcaatgcac gcttctanca agtagatagc agcatatact ggacatcatc 480
 cttgagatcg ttgaaggggc atgaccgtag aaaccagata ccg 523

<210> 36697
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36697

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 ctttcacaac atccgacatt gcattctgga gaaaaatata tagaaattaa acatcattgt 120
 ataagacatc atgttcaaaa tgggagagtg gacttgcagt tngtgccac tgattatcag 180
 cttntgaca tctctacaaa acgattaact gaggaaggt tgantttgtt aagaagtcaa 240
 cttggaatga tctttattaa tgaattatct aatctctata tgtcatccat tgttgcaccc 300

aaggatatat cgtccactag acttaaacac acactcataa cattcaatan atggacaaca 360
tatcatgcat taaatttttt ttttataaaa t 391

<210> 36698
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36698

tagctngtat ottatgcaaa cggcaataac gttgtactcg gatgttcgat tgagtcacgt 60
aatacatcga aacgctcgaa attgagaaca gaagctctgt gcatattcaa acgacaatac 120
attttaactc ggatgtccga ttgagtcccg taatatatca agacactcga aattgagaat 180
aatagctctg aacaaattcg aacgacaata actttttact cggatgtccg agtgagtcca 240
gtaatatatc tagacactcg aaattgagaa tagaagagct gagcaaattc aaacgactat 300
aactttgtac tcggatgttc gatggagtcc cgagcgtctc gatatattat g 351

<210> 36699
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36699

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catcctatga agctgagtat attgcagcct cagaagctgc atgccaagca gtgtggctag 120
atgccccgat gaagaaattg caactggana aatcatgtaa agtgaagttg ttggtagaca 180
ataaatcttc cattgattta gctaggcatc cgacttctca tggaagaagt aaacacatag 240
aaacaaagtt ccacttccta agaatgtcag caatgagaaa ctgaagattg acattgcaga 300
actgaaattc agcttgaaac atactcacta agactttgaa gctagaaatg tntagatggt 360
taagagattc cattggaatt 380

<210> 36700
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36700

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ctcctggtaa ttcgagatca cttganatta gtgaaaaaaa ttgtttccgt gtagaaaatc 120
caagccaagg cgcttccgta acgtttccat ggggtgattct gcgaagattn tcaaccgttc 180
ttcgacgttc ttcattcggtt cttcgtcgtt cttcggtctt caacctgtaa gttccccgaa 240
tcgaactttt caattcatte tatgtaccct tagtggctct catttgtttt cacgtgtttt 300
tattttcatt tcatttactt ttcgtacccc cttttgacgt gcttttagtca tttacttaag 360
tcattttctc ttctaataca naatacaata natttccacc gatcatttg 409

<210> 36701
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36701

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agtggcacct gaagatatgt tgcggaggtc atgagacctt ggggatgtca ggtgggggtgc 120
tattgccc aa naccaagctt gaccaatccc gactcaaccc gcgcatagtc agttcttgag 180
aacctatgac gtaccta aac atgcgagctc ctgacagtct accaataata gaacaaagtc 240
catatagcaa ggaggcttgt gtggcggtg gccagctatg aatcttgagt ggtatct 297

<210> 36702
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36702

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ggtgattntt caccatggag atgcagcgga agacaaagga gaagaggtga gaggaggcgc 120
catccactan ggaataagcc atggaagaag gagcttcacc accaagataa gccttgata 180
agaagcttga aaggatgctt caatggagga aaagaaagag ggagagaaag agagaggggg 240

gagcacgaca ttgaaggaat aaaagaggga gagaagtga actttgatga atgagagtga 300
 tgcaagctcc attggagctt gtaagcctaa gatcttcttc atcaatggaa ttctttgctt 360
 cttggaagat aaat 374

<210> 36703
 <211> 67
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36703

tgcttaaaaa aatacccccc gccctgcact catgcagtac tgttgaatta ttaacattct 60
 gcgactn 67

<210> 36704
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36704

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 tcttaattnt ctttgggctt ggcgaccacg atcaacanag tactttcggc acctactata 120
 tgttgacttc accaacgttg ttattggaat gctgcgacaa tctttcaaca ccttattcac 180
 acattctgat aggttggttg tcatgtgacc atatcgtcgt ccagatgtat cgtaagccat 240
 gttccttttt tcttttgaaa tgcgatcaat ccatcttgct atggctggac tcagttgacg 300
 aaatttttct aagttttgat caaacacatg cttgcaatga gtgtacgctg catcaaattt 360
 ggtatcatc 369

<210> 36705
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36705

cgcaaccacc cgctgacgaa gacccgacgt gcctatctcc ccccccccc cccggagcgt 60
 aactgatgca tcatgcaccc canggaaaac ccaccgagag caagaggaaa agagggccat 120

tcagttccca caagcccga agagggcggc agaacaaacc ccccccacaga agatacacct 180
 cgaaacccca acaaaaaacg gagacaagag gaaacggggg cgacgagcac ccaccacaaa 240
 ggggaagcta ccggccgaac ccacaaaaac gcgggcacga caaagaaagc aaccgaacca 300
 ggggcggaag gcgcaacaac acgagaaaac gccagaaaaa gcggcacaac acacagaagc 360
 agccagcccg gcccacgac caaaaaccaa aagaaaaccg cgcacccccca cgacaaacag 420
 ccgaacaagg acaa 434

<210> 36706
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 36706

agctttcttg ttctctttgt tctccatcta ccttgaagtg gtatgttggc catctgacca 60
 tcattttgtc taaagtcgag catcgtgttc gtcgactcg agcatcatca gaagtctgtg 120
 cttctttctc ttgccacct cagtaggta tgtttggctt actcctgtat aatatattga 180
 ttgcattcat gtatcgaca cttagtgaac taaacatggc tagggtttct catatttaac 240
 tcgagcatca tgacaactgt gtgcttcttc tcttagtga 280

<210> 36707
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 36707

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 taacagagca aaggcagaga actctgccag aacaccaacc taaaatcaca gcttttacca 120
 ctcagagacc ccagtaacaa ttccttcttt ccaattcggt aaccgatgga tcaactccta 180
 atttttaactg gaagtctcta atacataagc ctacatattg accgttggga tctactaaca 240
 aacatcccga actcattctg cactgctctt tccacaacca gcaaatgcct attatttttc 300
 tgcactagtg gcaaatcctg ctgcacaatt tcacagcaga aatctgcaca gaaagcagat 360
 tctgatacca cactgtctct tctccaatct tgcccaatca aatcttacag ttccaaatca 420
 tgtttaatca 430

<210> 36708
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36708

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 ttggctatatt tcctatgcag ctccggcttgt atgtgccttg cttcttttagc atttactcac 120
 ctatttatatt cttaagatc ttgctgctat tcatattttc gcatttccact ttctgactcg 180
 cattttattc aactatgtcc attctgggtga acgtgagata tatcaattgt gaacgaactc 240
 gacatcctga ggaagattta aagcatactc ttgatgagaa gagaaaatat atctcacata 300
 tcagtctcga agttctaaag agtgaagata ggctcatgcg agctttcttg tttcttctct 360
 gcttttatatc aaaagaggat gagtntacga aacttattcc ttctcttatg taagag 416

<210> 36709
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 36709

agctggaatc actctacacg acaaagtttag tggcagatcg acttttcttg aaacaacgac 60
 tctatgtttt caagatgaca gacgaaagaa tgttgtccga tcaaattgat gacattaaca 120
 agattctcga tgatattgag aatcttgatg tagagatgga ggatgaagac aaagctctaa 180
 tgttgctcca tggacttcca agtcgctatg agcagtttaa ggatgctata ttgtttggaa 240
 tggattcaac cattaccctt gaa 263

<210> 36710
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36710

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 ttactatgat catctctttc tccgtcatta aggggtgcat atgggctgcc aggtctctcc 120

acctttgggc atattctttg aaagattcat gccccctctt gcatatgctc tgtagttgca 180
 tcctatccgg agccatatca gaattgtacc gatactgcct aacgaaggca cccattaggt 240
 ccttccaaga atggactcan gaaggttcca agttagtata ccangtgaca actgccccag 300
 taagactttc ttgggagaaa tgtatcagca gtgtctcatc ttttgcgtat agcccccatc 360
 ttctgacaat acatcttttag atggttcttg gagcaagtag tccccttgta cttgtcaaat 420
 ttcagcacct tgaacttg 438

<210> 36711
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36711

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 agtgggtacct ggagatatgt cgcagggggtc aggagacctt ggggacgtca agtgggggtgc 120
 cattgcccac aaccaagctt gaccaatccc gacccaaccc gggcatagtc cgtcagtgag 180
 aacctgtgat gtacctaaac aggcgagctt ctggcagtc acaaataaaa ggaacaaaga 240
 ccacaaagca aggaggcttg tgggtggctgg ccagctgtga atcttgtgtg atatatgggt 300
 tatggcctct ggtaatccat taccaacggt gggtaatcga ttacaaagct tataaatgaa 360
 gacaggagac tangatgggtc tctggta 387

<210> 36712
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36712

ttcttgact attccttttt ctttcaatnc agaccctact gtcattgttt taaatattga 60
 tatttctatt acatatatgt gtcaaacaat ccaaaccctc actatgcac aagcacacaa 120
 aagtacgaaa atagtactg accctttcgc agccaagtca acaatgtagc accggttggt 180
 cacaacgaac ttgttcatta ccagcgtctt ccttgcaacg accattacca tacatgagca 240
 ctaaaccaag cttaaagtgt acccgcgaca tgtcttctac actacaccaa gcttaaccta 300

agaagtaagt aagtgaccaa cgtaccgtgg acaaagctct gatctt

346

<210> 36713
<211> 88
<212> DNA
<213> Glycine max

<400> 36713

aggatctgtc ctgttgctgg agaggtcata attgctctat tgcggctgat atagctgctg 60

aagtcgatga agtctattgt aaatgttt 88

<210> 36714
<211> 243
<212> DNA
<213> Glycine max

<400> 36714

gtgggctcca tgtctgcttt ccaaacggaa acctagcgcg cctgctgggt aaagaatcgt 60

caacgcagac accttgctg agccagaccc atagatataa ctatgggtgg ccaatgaaaa 120

taaactgcca atatttgatt tgttcttcta tgtccgggac aacgtcgtat aatggacgct 180

aactctttaa aaaaactccg cgctgcacta ttgggacgag ccaatctttc ttctggccaa 240

gag 243

<210> 36715
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 36715

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ggatgcccc cattatttcc atgacatana tgcaaaaatg atgatttga aactttatgc 120

aaaactggtc atgcatgcac ctatgctggac actcaagtgt caaatcttta tggatcatgtg 180

atgctanggc tcaagattca tttctccat tttagtcaac ccaatatttc caaaatatgt 240

tcttttatca atttgatcat tcatccgagt ccatttcggg cgtccgggaa aattttcaca 300

gcattcaccc ttcagggtgta cacattgttt tttanaaact agttatgatc aacgatctct 360

ttcaaagaaa agtгнаagtc atctcttgtc aaaagcatgt c

401

<210> 36716
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36716

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ctgtacatag aaactgctga tatacaccaa tttgggttct aacagaacta ctttantaag 120
ttacaactat agaacaaatc tgtaacatac cacatactct tatccacaac aagtggagtc 180
accaacttta ttattgaatg cctccaagga agataatgca ccgttcatgg tggcgctata 240
atgattgtta gcatatccta ataatatata taaaccgtac taaatctgag gagtaaaaat 300
aactcttt 308

<210> 36717
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36717

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ttaacctagg gaatttaaaa aacttaatgg ctgagtgtaa ctgaaattgt ggcaacccaa 120
agtcaccctc aacagccaac aagtcagcca ccatttggtc tcccaaaagg ctgatgccta 180
agttgtccat tgggccctta ttacaacttg aactaaacct aactaaagcc cttttagtgt 240
attaacccaa aacatatttt tggtcagcca actctacaag gattgggcca ttatttagac 300
aaactaaaca ctctattatt gagacaaagt ggtgtcattt attccttctc catttgggcc 360
atgatacaac tcacaacctt ggacttttct ccttgaaact gggcttgtat caaatatatg 420
gacacacttg tg 432

<210> 36718
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 36718

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 gcanaacaca ccanatgatt atgatgatgg atggctcana ttctcacana agtaaactca 120
 tcattttctt tcaaattgag ctttcaaaac tatcatgaca tgtagaggag aatcaaagat 180
 ntcaagtcac aaaatgtcaa aaacttttat tttcaaaaca attaccatt tcttgaacat 240
 atcctataat tcaaagaaaa acatgcaaag tcgtacatgc acacagaatt gacctaata 300
 ttaaact 307

<210> 36719
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36719

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 taaagacagg aatgacactt anagttttat cttcagttca acaagatagt gataaacaag 120
 acttgaatga agtagaagag atgatgattt cagtttcttc gtaaagagat taaataaatt 180
 cctaagagac aaagataatc atagaagatc acacttctaa ccaaagaaaa gaggagagga 240
 ttcactctttt gttccaaagt gttatgaatg taaccaacca cgacatctga gagttgatta 300
 cccgagtttc aagataagac tggacagatc tacgacgaaa ctttactga tatgacagca 360
 atagagctta catcacttgg gaatataaca ctatggattc atccgaagac tcacaaaatg 420
 acctcatgaa tctaagtctt atggcacaaa ata 453

<210> 36720
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36720

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 gtctttcctt gtcacccaaa aagtcatgct attttttttt gagtgtatca actatacaaa 120
 agttacacac aaagcaaacc tgtttttttag tgtggggcgt attaataattc ttctgaaatg 180

aggtcttgct taatattttt ttcattttta aatcctatag aaatcctcta atttatgtgc 240
 tttcgttatg ccgactacca tatttagttg taaaacatgt agcaaataatt tttagatagt 300
 tatgtgttca atataaaactt tgtgagtat 329

<210> 36721
 <211> 349
 <212> DNA
 <213> Glycine max
 <400> 36721

tcttatgagg gaggtttctc agttctaatt accaataaat tttctgaatg aactttttcc 60
 acttgctagt atacactggg gacactcttc attttatctt attccttttt caaatgcatg 120
 ttgacactct ctttctatgt gatggaagct actaagaact ttctaactgc catgttgaaa 180
 tattctctcc catcttggtg aaatcacttt tcttgcttta actatgacac cataacaaat 240
 ccatgtcctg cttctatcgt gtacgcggga attacatatg ctacactacc aactaattt 300
 atgaatcacc tgacacattc aagtgaatct cttctgtttg gacccttac 349

<210> 36722
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36722

tatcttctct ttcaatnnnc tataaatagg gggagaagtg aagtagatta gggttcatcc 60
 ccttaegcac ttctctcttt ctcgaaatag ctgaggaaaa tcggttccgt gaagaatatc 120
 caagccgagg cgcttccgta acatttgctg gagtgatntc ccgaagggtt tcgaccgttc 180
 ttcgacgttc ttcatcgtt cttcatcatt cttcagtctt caatgggtaa gtacctcaca 240
 ctaagcttgt taattcattc tatgtacccg tgggtgggtcca catttggttt catgtatatt 300
 tattctcggt ttcatgtact ttttataccc ccttttgacg tgcttaagcc atttatttaa 360
 gtcatttctc gcctattcta aacataagat atattttcac cgatcatatg aattgtatca 420
 atccgt 426

<210> 36723

<211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36723

tatctnnggt tgttttatat atgaatacat aagattatag tgctgctact gtgtttccca 60
 tctatgtcac tggctataga agtcaaatta tacaatctta ttctactagc atcaaacatt 120
 atagatggtg taaaataaga cagagaacat atcctcaaac gaagataata tattctgata 180
 gacagatgag accaattaga ttgtagaaac ttttcttggg tagtagaccc atgaaccatg 240
 ttcactatac aagtacattg tggcagtttc gacctaccaa atttgtcatc cctggggact 300
 tcaattggaa tatggttctc ccaaaatcta cttactaact ctaagatgta ctgatgacac 360
 ttacta 366

<210> 36724
 <211> 382
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36724

tatgcttgta ttattatggn gtacccatca catgtggtac taggtggcgg tcgggcgatg 60
 gtgcacaaca agttttccac atccacaatg cgcgcataaa cccatcattc tctgttgccc 120
 accttcaact gagctcacgt actcccatgt agcccatatc ctcgtttctc tcaacaccgg 180
 gtctccatta atcctcccaa gcttgcccaa catcaaagta atacaacatt caaacaacac 240
 aagctatcac aaccaagcaa aacagggcan aggcagaaaa ctctgtccaa aacaccaacc 300
 aaatcacatc tattctcact tatagacccc aataacaatc cttcgtcca cacgtagaga 360
 cgcgcttcac gactccggaa at 382

<210> 36725
 <211> 354
 <212> DNA
 <213> Glycine max
 <400> 36725

tatcttctat tacactctag acatcttctc aaagatccca gcggtcagat catggaagat 60

005101-101500

tgtcttttaa agtttcaaac caaatttcga gaagatccaa cggttaacga aggttgggca 120
 gcgcttttac cgaggcagct tcatgtagtt ctctctagaa gcttcattaa gaggttctct 180
 ccaaaagctt cattaagagg cttctagcac actccagaca tcttctcaac gatcccaacg 240
 gttagatcat ggaaaaatgt cttgtatagt tgcagaccaa atttctagaa gatccaacgg 300
 ttaacgaatg ctacgcagca tttttaccga cgcagtttca tgtagctttc tcta 354

<210> 36726
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36726

tatctngcca tctatctcgc ccaggcgagc taggttgctt cctccagaag caactgcctt 60
 ctggaggaat attctggaag gcccaagagg ggcctatctg ttatttgac cctcattttt 120
 actaaatata ccccttgatc tttnttggtg attntttttc cgtaacgtta ctaaacttta 180
 cgaatttcat aacgatgctt gttcgctttc cgtaatgtta tgaaacctta cggattacgt 240
 aatcatecct tttttgcctt ccggaacgct acanaacttt acggattacg cattaacact 300
 ttcttttaat tttcggcatg tcacagaact tcacggattg tgctacaatg ctttcttt 358

<210> 36727
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36727

agcttgcata tcanagattt gttggaggaa tcaaactctg gaggtgctg catgtacact 60
 tcttcttgta gaatgccatg gagaaagaca ttgttcacat ccagctgctg tatgggccag 120
 tgataggtga cagccaaagt gagaagaagt ctaacagtaa taggcttaat aactggtgaa 180
 taagtctctt gaaatctgtg tcatattgct tgagggcaaa gttgattgag gcttgtgatt 240
 anatgaagag gaagagggaa agaggtcata cggaaatctg gactcattga acaccacatc 300
 cttagatatg tagattctgc cttagaagaa agacattagt agcctttgtg cgtangagaa 360
 tatcccagaa aatgcattct tgagactgaa ttngagttta ttct 404

<210> 36728
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36728

agcttctctc tatatccctg atgtaagact atgcctagac taaatagcat tattgtaata 60
 ctataattaa gaccaaaact taacttgcac atctgtcatg taaggctaag tntcaatcaa 120
 gttctaaggc aatagtgcac ttcccaatgc taaagtcacc taactgtgca cacaatggg 180
 tgatcagaat aaaagcatac aaacattaat cattgaagga agcattgaac acagaanaca 240
 taatcaatta gatattaggt atttacatca gctgttcatt acaaattccc aact 294

<210> 36729
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36729

gccacccaca acaaagacac taaatcccc cccgcaggt actgtccctg caccnnnnaa 60
 cgagggaaaa aggaaaaaaa ccttttaca aggaacacg gggaagaccc caccacaaag 120
 gaaggaaaaa agaaacacg gggcacacaa acaaccaaga acaaaaaaac cgcaaaagaa 180
 aaaagacaaa agaccacacg caaaaagcac gcacaacaaa cgcgacagcc ggaacgcaag 240
 aaaacacaaa agaccacgga aaaaacagcc acagaaacca aaactcagac aacgcgacag 300
 aacgaaaccg aaaacg 316

<210> 36730
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36730

agcgtgaaca ttgaatctag anancnagca antcccgga tcctcaagac gcctgaagct 60
 gcagcgtatg ttaccattt aactaaggcg tcctaagcga aatgattgat aagcttcgcc 120
 agtatcccca tgaaaaacct tattcaacaa ttcaagttag tgaaaagcta acgaaaatta 180

gggacttata aaactaattc cttaattgaa agcgtacgtg acaatcatag tgaattacta 240
 aacaagattg gtagttactt aagtcatacc agatactccc gagccttcga caatcttcca 300
 aaatggaaca agaagcacct caaattatTT atgttatgaa tgaagatagt gacccaaaact 360
 ttgatacaca actgagatat gatcagtgtc acaaaagaat ataaatccaa taattccatc 420
 actggaaaca cctgtaattt tatataacgc cgctgccctg cctttataga aaaaagg 477

<210> 36731
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 36731

agctagaata tatggtgtct ttcacatgcg gactaagtgc cagtcaggcg atggtgcaca 60
 acaatttttc cacatccaca agtcgcgcat aaatccacca tccgctgttg cctacctcca 120
 actgagctca cgtactccca tgtagcccat atcctcggtg ctctcaacac cgggtcctca 180
 tcaatcctgc caagctatcc caacatccag gcatttcagc attcagacag caccaaactac 240
 cacagccatg actacatggc aaaggcagag aactctactc ggaacaccaa ccaatatcac 300
 acgttggttct ctcttaaaga cccaataaca tttctttgac caactcatca ccggagat 358

<210> 36732
 <211> 188
 <212> DNA
 <213> Glycine max

<400> 36732

acatctttat attcctgcca taagaggtga aactaggag aaccataaat agtgaactga 60
 ctataatcat cactctctct cttttgagga tcaactctttt gctcgggagt atcactcttc 120
 tgtttcatat tcctttgagg agcctcacta ttgactttct ctaaggctct cttttctctc 180
 attctgat 188

<210> 36733
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 36733

tggattgtaa tgaaatgatc ggaaaagtat tcaagatact tgaaatgcaa aaaaaagcct 60
 tgcttatata agctcttcat gtctgggtcaa gatgaccatt tagaagagtt ataactttta 120
 gaaaaactta aaaccaattht gaaaaagtca aaaaccttht gaagagttac atctthttgat 180
 ttattcagaa acagtcactg gtaatcgatt accaaattag tgtaatcgat tacacaaggc 240
 tgttaagtga aaggatgtga ctctacacat ttgaatttga atttcaacgt tcaaagtcac 300
 tggtaatcga ttaccaaact attgtaatcg atacagattt ttaagataat agcagcgtat 360
 atattcagtt gaaacatttht caactcatt 389

<210> 36734
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36734

tttcttgatt tgangaagng tngaagggtg anacttcctg cgtttattgt tgaccacaga 60
 gtggtacctg gagatatgtc gcggagggtca tgagaccttg nggacgtcag gtggtgtgct 120
 attgcccana accaagcttg accaatcccg acccaaccg ggcatagtcg gtcagtgaga 180
 acctgtgatg tatctaagca ggcgagctcc tggcaggtcaa cagataaaag ganaacaaga 240
 ccacanagca tggaggcttg tgggtggctgg ccagctgtga atthttgtgta atatgtgaga 300
 tatggcctct ggtaatcgat taccaagggt gggtaattcg ata 343

<210> 36735
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36735

tgctntanat cacagcaaca cagaatctaa gtgtccaaca cccctccttht caatgaggtt 60
 tctaggttht aagagtgaat tttagaatga tgtanatttg aagcaaactc tcacctcaca 120
 ccagtccata acatctattht agacttgtht anactgggat tacacctaan atctccccga 180
 atcanaattht aactcttcaa cacccaaatt gccctagaaa tggctctnnt gtcactthtg 240
 tcattthttht tctctctgca cagttcaagc thtctcat 277

<210> 36736
 <211> 302
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36736

tatcttgcat tatttacatt ctccnccatt ctgaaccaa gtatttcttga catcatcaac 60
 atcttcatga tttaaaatg ttaaaaccaa aagaaaaaca taaatttgca aactcaaaat 120
 ataagtttta cattactaac gcgaatagaa ttttcaatgt attattaaag gataaaaaaa 180
 ttacacttag tgataatcat acaattcatc catctgcgca atgaacaaga aagagatatt 240
 acaaatttca ctatgtcttt agacattgga ctaataattg tttacgttgt agagatatga 300
 ta 302

<210> 36737
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36737

tagctagatg ttgctttaac atttatccct atagaatgtt gactgtgggt tggtagagttc 60
 gttgtttcgc aagttnttga cataatcttg gctcctgggt ggtgggttgg tgagttgggtg 120
 agttgctaag ttcgtgagtt cctgagttgg tgtgttctca agctgggtgag tntgttgttt 180
 aaaactgttg gttctgttta ctgcaatgat tgttattggg gcaccatttt cttgtgtgct 240
 gactgtcatt gnttttgttt aggggtataag acaacaagac gtagtttgca ttggatatatt 300
 gctttgaaca atggttttga taaccctaaa cactaaccta agactttgtt gcttactcct 360
 gtgcacat 368

<210> 36738
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36738

cgaaagcgcc aaccgagaga aggtcctaca cccccccg cgaggtgctg tccctgccc 60
 nanancgccc gaaaagggga aaatgagttt atccaaccga aaggggggaa aaaccccaaa 120
 cccagacaaa agaaacacag aaacgacaag ggaaaaccaa aaaaaaggga ccggaggggga 180
 aaaaagaacg gacggaaagc aacacacaaa aaggggacgga aaaaaaccgc caaacaaaaa 240
 cggaaaaaag acaggagaac aaacggcagg aggaaggaag aaagaaggac acaaagagga 300
 acaa 304

<210> 36742
 <211> 257
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36742

catcatcatt ctttaccatc gattttatttt tctttgttta aagcgagttc gaccaatcgg 60
 ttaccccgtg acctcactta atcaatgtta naatgaaatt caatcgatcg tttatgttgt 120
 aatctcgttt aatcaccagt aaaataaaat tcaactgatc gttatgttgt aacctcagtt 180
 aatcatcaaa aaggtaagtt tcaacgggtc atttgctttt gaagttcgct tttaatgagt 240
 tgataataac caagtga 257

<210> 36743
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36743

agctaggatg ttgatntctg ttacaggaag gaccagtagt ggatcgcatc caaatgactg 60
 gatcgaaagc attgaggacc ctgctttgcy tctgagtggt gcgttggttg cgaaagagtt 120
 gcgcagcatc aaagctagga tcattcggca agagaaaacc agctctgcac cgatctattt 180
 gggtagagga ataatccaag agcagagtgc ctcaacaaa ataatctga acgagatcga 240
 cctctacgct ctcaaagccg caattgatcc agctgtactt ggcccatcgt gattntcaat 300
 cgtaata 308

<210> 36744

<211> 432
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36744

agcttggttct aatccagtaa tgcgtcttgg gaagtgaag taagtagact tttctttgca 60
 agagtgtgag ctctatcccg aagaatgcat ggtcattggc tgccatgttt tcaattanct 120
 ccataacttc attaagcatt ntttaattcca gagacatcta gaagttactt caagtttaggt 180
 cgtaagccat tgataaagat atntagttgt attggctcac tgaatccatg cgttggagtt 240
 cagcgatgta aaccacgaaa gcaatctaaa gcttcactaa gtgattcatc tggaaactga 300
 tgagatgaag aaatctcagc cttgtcttat gccgtcttgg attttggaag gtatttctgc 360
 aagaatntct ccaaaacctc ttcccatttc ttaggctatt tcccttgaca agtgaaccat 420
 ctttaacttc ct 432

<210> 36745
 <211> 468
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36745

tggcactgtg ctctagaatg acgccctaga annccncgnc aattgagctc ggacccgnga 60
 tctctgagt cgctgcttt atgcancttg catctgatgn gngacatcnt gnacttctga 120
 gttatatttc attaactgcg cattatgtng atgcgaactg gaaggatgaat ggtaaaatgg 180
 gtaatctttc tcatttttcc tctccacact cggggcgatga gatggctaaa gtatatatgg 240
 ttttttcgga agatgggtgga tagacaaaca tattctcata attttgatga tgctcttcac 300
 tggttaaagca gacttttgag gaagactttc tactatgggt ataaagggcg ggaattttta 360
 tattgatgtg tctacattta aacttaggtc atgagggatga agtatcgcc tgtggaaaaa 420
 aataggaagc ctagttgtta ggatcaaggg aagaagtttt aactgttg 468

<210> 36746
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 36746

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catgtctcta ctancgcctt aattaattta ttatcgttga ttgtacgtaa cgtgttgatt 120
aatttattaa cgttttatat aaanttcatt agtgagataa tnggtacttt tttataccaa 180
catgttgcan atggatattn tccanatatn taacttagctt tcaataagct taatttcttc 240
tcttagaact gtgattgata gtacgtgaag tctatctttc tttttctcc tttgtgtaca 300
agagcgagaa tgtttggtaa ttagatacct gaacgtggat taatgagtta atcttggtgca 360
ttt 363

<210> 36747
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36747

ttctntatth taactcatca acattacatt ttacagatgg tgtaggaaga ggggtccaac 60
aaatagccat ctctttcctt ctaggagtga gtgaagacat angactagca gttatctcct 120
tacaaatcac cttggccata tttaatatca ttatttggtta aaattttatg taatttcttc 180
aatacaatcg tagaatgaaa ctctatatth atgacaatcc tcaacttatt gacaccatca 240
tttccacttc tcanatttac accatgtgtg gtggttaagta agaaatanggt ttgaaaagat 300
agagggaagg tgaanatgag taaaagatac acccatgtta taccctcccc cc 352

<210> 36748
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36748

agagtcagtc taggacntct ngcanantcn agcnnannnc ccgcagagnc tctanagatc 60
cgtctgcggc gacgcgagcg cgtgcgtact tctctttgcg tcgcggggaag agaagagggg 120
gactaggttt atttggtgaga ctccaagctc cattccgata aattgcctgg tcattggctg 180
ccatgtagtc aagtaacctc ataacatcac caagcacttt taatggcaga aacatctata 240

ggccgtcccc aggctgctgt ggtgcctcac cctatgcctg cctaggggcg cagtacttct 300
cgatgaaagc ccagataatg atgggctgat ga 332

<210> 36756
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36756

aagagagaac aacacaatgc ttanaataag tgtgcaactc acaacttcta aacttgtttt 60
ttctaaagct ctcatggtaa aaagtgagtt gtgaatcaca tgtgagatca agagacttat 120
tcaactcaagc aaacattttt tgcgtgtgac tgataaggtc tttatctctc tttgactcaa 180
gtttttgtgg gttttcatgt tgtagcatat acatgaattt ctaaagcatg ctatgataag 240
ttttctagtt tgcccaaggg aaggttctct taacttttaa agttcttagg gtgggacctt 300
atctcttt 308

<210> 36757
<211> 530
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36757

nggtggatga gngcttgcac ttgcncannc ttgntatngn tcnngcncca ngngnaanag 60
gtcfaatgga ggtggcacac atccatattc aactcgccca aacaaataag gagtcttctc 120
tactcaaaga tagctcccta cnetctocta caatcaatat agaacctata tctaatgtc 180
acatcctatc agagcgtggt gttcccgctg cctctagcat gagattctat atagtcaccc 240
acatttcat ctgctcccc cgacacaagt tcaagatcat cacaggatct caacacaaca 300
acacacaagg aagtgagtat cacattccta gcttatacag aaccagacca ttaattattct 360
tattatataa atgagatacc ccttgcttaa acatagctca cggaaccttc ccacctcgtc 420
gttcaaaatt accttttaca tcatcatgca cattacacaa aaatcccccc cttcaatcag 480
gatattttta cccattcatt ggcaagcgta tgcgtaaatt gtgcctagcg 530

<210> 36758
 <211> 265
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36758

accattattg caccaccac atcccatttt atagagagaa ttcttcttct tcttcttctt 60
 cttcttattc atgagattga ttaatggatc gagggctctct taagttgtta cgaattctga 120
 acacacagga agggttgtgc ctatgttggt caaactttgt aaaatgcac ttacaacata 180
 gtgaaaatct caaacgggtt gttggngatt atacttccca caaggcatga ccgaactagt 240
 ataaaaccga gttcgcttct ctctt 265

<210> 36759
 <211> 182
 <212> DNA
 <213> Glycine max

<400> 36759

tatcatacac cagccgtggt ggattttgtg gtaagcgtaa aacctgcact gagatggcgt 60
 ttttaccagc aggatatcat gctgcgatca tactcaccat gatgatcgtg atcatcaacc 120
 tccaccatcc cgtacctaaa ttttaccagc gtgtgcacct taccaatata ctgcgacact 180
 ct 182

<210> 36760
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 36760

tattccgagg ccacttgatc cggcgggtgg tatcaaagca ggtatctcgt acaaagtctt 60
 acaactacaa gattcatggc ctcttaaata tttctgtttc tggaaggaaa ttccatccat 120
 aggccacca tatttaattg tgagggttac cactattgga aaatccgaat acaaatcttt 180
 attgaagcca tagaatttaa catttgggaa gcaatagaaa tatgacctta catactcacc 240
 atagtagatg taagcactta cccacagca caaaaaccta ta 282

<210> 36761

<223> unsure at all n locations
 <400> 36764

actgtcctct ntgctnttat cggggaacat ggaccattca aaaaagcata aaatcaacac 60
 ataactttac cgcttttgca tgaactacgt aggtctgggt tcttgatcgc aattgaggat 120
 acataggagc aaaagctccg cttttgtcga ccaccccaag agatcgtaa tggtaaacg 180
 ccttaacgtt tctctccttc caaaaaccaa gagatcgtaa atggccaac gccttaacgt 240
 ttctctcctt tcaaaaaccaa gagatcgtaa atggccaac gccttaacat ttctctcctt 300
 ttccaaaatc aaaaga 316

<210> 36765
 <211> 247
 <212> DNA
 <213> Glycine max

<400> 36765

ttaccaatgc cactccttca tatgattata tttttgtact gtttaagtag agttctcaat 60
 acataatgtg atccatgggc cagccattaa ggatcatttg acaggagcat gtaacagaac 120
 agcctgtata aacaaaacat gatTTTTTaaag ctacttttga atggattctc actgttatgc 180
 acattctgaa gctacttttg atccatcaga aatatcgcat tttctctata cgcattgcaat 240
 ggatcatg 247

<210> 36766
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36766

aaatgcaccc atatacaatg aaggcagctt cgttacctag attattcaca cgtacctcca 60
 aggtgtatTT gttacttaca tcacacacat ctcttggt aaactcacat acatgcatac 120
 tcaagcattg tggggcacca aaaattgcac atgtgcacat cttggcattt ctaataccta 180
 catacgcaaa cttcatgatg aatcttgact atctacacaa taagggtgcta catttcatgc 240
 tctnttttca agtttttgct atctaaagcc gcatgcaatt caaacatnat ttcttttgct 300
 gactanaatt gattccaaat taaaaggata atttttgtaa tatggtttct tcacataaca 360

tgcaacatat ntatatatat ttttttgtga aacattttga ctacccaaat atatatacat 420

aca 423

<210> 36767
<211> 246
<212> DNA
<213> Glycine max

<400> 36767

atctacacaa ggtctgagag accatacatg attactaacg atttctaatt atgtgggcca 60

ttaagtctat catatgctga caatagccga gaagcccatg aatctcttcg ggggtggagt 120

agggtgtctgc catcgcttg gcctaggcta acaagcgggtg aagatcttga ctcccgttct 180

agggtcaaagc gaaccgatcc atccacatgg ctgccttttg gtgtaaagag tcgatcaccc 240

ttcctc 246

<210> 36768
<211> 209
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 36768

gccccactct atcataggat agntcctgac atctcaaaca aacaaatggg gtgttcaaga 60

caattatagt cactgtttga atacctcacc cactcaagtg tatcacacaa ttatggcttt 120

tctctaataa aacactctaa ttcccccttga gttcttaagc aattcaagag attatggcca 180

caacaaagaa caatacacca atatgtgta 209

<210> 36769
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 36769

tgccccgagtc attcatccct atgaagtgtt gttgttgtat tggcgatcga aattgccatt 60

ccctgtgtta tggagttgaa ccaagctcat gctttttcga aaaaagttca tcaaatcaag 120

ttgaagaatg gaagtaacta tcttgcaaaa attggggcaa aagatgaatc gagtcacatc 180

actgcttcgt ctactgccaa acatatttag gattgttgat gttcttggta cttccagttt 240
caccttgaca aagatgtcat agaccatgtg gaanatctaa attgattcaa ccccatatcc 300
tgcacaatac ttcaactgta catcattcgc atacatccat gcttttcatt ggggtgcattg 360
ctcattgatt ctttctttga aaagaaaaat aaataattaa ttattacata aataaaatga 420
t 421

<210> 36770
<211> 234
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36770

cttcacaaag tgcctatatt tgtttcagtg gcgtaaacaa caaatttcac cactctacgc 60
atgtccaatt tttagaagac atttttcctt attacccaaa ttcgttgcca atctctaact 120
ccccttcagc ctctatacaa cctcccttta ttccattnta ttgtgaatgt atgaattcag 180
ggttttgatg atggccaagt agaatcaaac gaggttgctt caaaaaacat tcaa 234

<210> 36771
<211> 250
<212> DNA
<213> Glycine max

<400> 36771

tcacaggcac ggctaaaggc gtgttagtct cctgaaaaca acactcgtgg tagcctcctc 60
tactaagctg cccttattag tagtctttgt tgtaataaga gacttgtcaa actgtactca 120
agtcacgtg atgttgatta ttttgtatct cacttccttg tgacggtaca ttctagggct 180
ataaactgac cctacatacc gtaaattccg taaaattttc gcataagggt ttgggggttg 240
tttcatcatt 250

<210> 36772
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36772

<213> Glycine max

<400> 36775

agaagaaatc acatgtgtgt catcatcaaa tatgtggaga atgtgaatgt atgcatacat 60
gattgtgatg atgccaaaga agaaccacaaac aaggctgctt caaatgataa gcatttgctt 120
caagaataat tcaagattgc ttcaacaaac aaagccttat ttcaagattc actaaagacc 180
aagccttgcc ttataacaaa gtgctttcaa gacatggaag gctctggtaa tcgattacca 240
ggaagtgtaa tcgattacca caagacaggg ttgagaaata gctgttgaaa aagggtttga 300
atttgaattt tcaacatgta atccattacc atatgtctgt aatcgattac cagcaacgga 360
actttggaaa ttcaaatcaa aagtataacc cttcaattat actgtgtatc gatacacaac 420
attgaatcga taccagtgga agtttcaaa 449

<210> 36776

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36776

acacataact cggntgtttg atattggata ttacacttgt ctatatgact canacaacaa 60
agacactggg agtagagaat tacataccct gcagaacagc aagaatatta ataattacac 120
tagccactgt gaaaatttca tggcaactaa tttagtaact acttaaagca gaaaagcaag 180
aatattaata atcttacctc aatgccccct ccaagacctt caaatacatt tttcagattt 240
ctagatgcat cccagacttg aacaattcca tggaagcacc ctgatgcaag aaactgtcca 300
tcataattaa aatctanact tgatacaaaa tctttatgac ctacacaaaa tcaatgacaa 360
actcacgatg gaaattcaat caattgaaag taacatgaca ttaccaatca tgatgntgaa 420
cctatctatt agaaaataca catccagtat agcta 455

<210> 36777

<211> 334

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36777

tagcaatatt gaagccgttg tataggtttg ctgccagcgc tgcctcctc agaccattca 60
 atgcctcagc tactatattg aataaaaatg gagctagagg gtccccttgt ctaagacccc 120
 tttgaggctt gaactccttt gtggggctac cgttgactaa aactganatt gaggtgatt 180
 tcagacaccc ttccatccag ctgateccatt taggacaaaa tctgttctt ttcagcatat 240
 accagaaaca aattcatgat accgagtcac aagccctttc ataactcaact ttgaatatga 300
 ggcaggggta tggctcctct tagcttcac aatg. 334

<210> 36778
 <211> 305
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36778

catactcaca ttngagtcac gctgaggcgg ggaaataccc gagtggttac ccgtataaac 60
 attcttcttg ctatctgtaa gacgaaaagc ctgatagcat gcgaagactg acatcgtctt 120
 ctgcgccctt cgtcaatcgc ggccgacaag ccattgaca cgcggagatt tacgtcatct 180
 tcggcgctca caagatctgt catactgaca ttngagtcac gctgacgggc ggagataccc 240
 gagtgggtat ccgtataaac attctttttt gctgcttgaa gacgaaagcc tgaagcatgc 300
 gaaac 305

<210> 36779
 <211> 279
 <212> DNA
 <213> Glycine max
 <400> 36779

cactacaagc cttaagtga caaccatgat atcaccatat ccttaaggaa ttttgagct 60
 ttgaaattgt tttgggaata agtgaggggg tttttgttc attgaataac atgtattgtt 120
 ggccatgctt catgatatat tttgagccat acttgatgta cattgcatat tgggtgaaatg 180
 ttggacatgc tgaatatgat gttgttactc aaaagctaag ccatacttga tgttcattgc 240
 atattggata aatgttggac atgctgaata tgatgttgt 279

<210> 36780
 <211> 220

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36780

 cattccgagc tngccttact ggtgtgcttg ttgacttgat ataccagcca cctcataata 60
 ttgatctttt tatatgaaac atggatagta tccatttaat tttccttgat tttaagacta 120
 cgatagactc atgttcatat ataatatgaa acataaaaagc tccaatggaa aacagtcacg 180
 ttcttgatta gtatattaqa caatgaagtc tatcataatg 220

<210> 36781
 <211> 337
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36781

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 ttatggttca tgggaacccc tcgatcacia tttaaaaaat taagacaagt atagcaatag 120
 aacatacctt gttctgtatt ttcattgtga ttattcctac caaacagtat gacaaaccta 180
 tgggtgtccca tatgagtgcc taagtttgta ttgaaactaa taaataagaa caaacttacc 240
 taatgagtcc ctatgtacac aaatcatgaa gatgctgggt gcacgagtga ttttcaatag 300
 agtggtgcac caccataac atttattaca tcaccta 337

<210> 36782
 <211> 125
 <212> DNA
 <213> Glycine max

 <400> 36782

 atggaatact tacttgttgg tgatgaataa aagccgccga tacggaatca aaaaatgcaa 60
 aacatagtga tcctatgggt gcaaactcct caatcccgtg gctattgctt ttgaatgtgg 120
 gggggg 125

<210> 36783
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 36783

gggagcacga aattgaagga ggataatggg agagaagttg aactttgagc tgtgtctcac 60
aaaactctca ttcatcaaag ttacaacaag tgttacacat gtttctatat atagactagg 120
tagctgtctt gagaagcttt cttgagaata cttccttggtg aagcttcttt gagataactt 180
ccttgagaag ctaaagttaa tctacacaca cccctctcat aactaagctc acctccttga 240
gaagcttcct taaataagat ccctatcgac gctaaagctt agttaccac acctctctaa 300
tatcta 306

<210> 36784

<211> 224

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36784

cctctatgac ctagaagacg agggacctat tcaggtgagg gtcagcggtc atctgatcaa 60
atntgatgaa gatactttga acactnttct gaagacccca gtgattctgg aagaggggga 120
aaatctttgt gcttattccc ggtttgcact cctgaggctt gatcctcacg agttggctgc 180
taatctttgc atcccaggga ggggatatta gctaaatgtt gatg 224

<210> 36785

<211> 99

<212> DNA

<213> Glycine max

<400> 36785

tatgactcaa acaacagga cacttagagt agagaattac ataccctgca gaacagcaag 60
aatattaata attacactag ccactgtgaa tatttcatg 99

<210> 36786

<211> 242

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36786

attcctgata attcggattc tgagactgtc ctcaaactat ctacaaattc tctgcatggg 60

acctgagagg ttgtctaata naagttgctg ctctgaacta cctttcatat tgacaggcag 120
 aaagaattcc aatatgtaat catcatcatt agtataagta ctccttagcc taattgcaac 180
 tgcagcattc aaattatact ttgcgtgcat gatggacaag tgggtattca ctaatatcat 240
 at 242

<210> 36787
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36787

ctggatgcat tggttaacta ggtaaccag ctgttcttga accanaaatc tgtacctgtc 60
 gcaagggctc gtagtttctg ctcctctgct gaccaccata cagacctttg cccttccatg 120
 caacaacctg gagcaattga gcagcccgaa gcttatgctg caaatattta caatagacct 180
 cctcaacctc agcagcaaaa tcaaccacag cagaacaatt atgacctctc cagcaacaga 240
 tacaacctg gatggaggaa tcaccctaatt ctcagatggt ctagccctca gcaacaacaa 300
 tagcagcctg ctcctttcta tccaaatggt gttggcccaa gcagaccgta cattcctcca 360
 ccantccaac aacagc 376

<210> 36788
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 36788

ataagctaaa cgcttgtaaa aggtcggaga gaagtttctc cgaccaattg agcaagatgg 60
 aagaaaacat gggggccatc attgaccaat acaaggaaaa actaagtcta gcagcaacct 120
 atgaacaaaa gctagaaaat gagtatgcaa aggtatcggc cctgtaagcc gaaagggaag 180
 cgagagaaag agtgattgat tcattacaca aagaagcaat aatgtggatg gataggttcg 240
 ccttcacctt aaatgggagt caagagcttc caagactgct agccgaagct aaagcaatgg 300
 cagacgtgta ctc 313

<210> 36789

<211> 176
 <212> DNA
 <213> Glycine max

<400> 36789

cttgactcaa taattctagt gctatgagta ggacagtaaa aattatactc ctgtaatcat 60
 tcagcataac caatgagata tgcactaacg gtccttgggt caacatcttc tcatgcgatt 120
 ataaacttaa cttccaagac cgccacctc gcaaatgttc atacttgctc cccct 176

<210> 36790
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36790

tctgaactgg catcgctgtt atatgtcagt gatacctcta acacttgga caaaatgaat 60
 ttctcttttt ttggatgaat tgtttctatt atctcatttg attaaataat ttagagaata 120
 ttattattga ctataataaa ataactgaaa caataatcag aaatatcatg cgcttctata 180
 taaacataaa actgactacc tactatttct actatttaag acaatctctg aatatgactt 240
 aaaacctanc aaaagttatg aagtgtgact atgaattcta gattgatctt atcggattta 300
 ttcaaat 307

<210> 36791
 <211> 277
 <212> DNA
 <213> Glycine max

<400> 36791

actgatggac tcgtaccacc accacctact cagccataat caacaggaag aaaatgtgca 60
 acataataat aaagtttagg acctcacaca ctctactcac gtttttagat ggagtacact 120
 cgtgtttaat gctctcatal gcttatgaga atgtatccct cttgccttta cactcgtgt 180
 tactttaagt cctgatggac caatagacac acagatatta aataacgaag acatatgatg 240
 accaacgatt gattggatac acttgactga tcggtat 277

<210> 36792
 <211> 306

<212> DNA
 <213> Glycine max
 <400> 36792
 cggaccgcta gacaaggggt gaagtctact tattacgtgt caggcgtcca aatggaagat 60
 cgaactagca caatcagccc acaatcctgc ttgtagcggg tgctccctca tacgcagtca 120
 tgcatatcaa aaccgttggt agattccttc tggatagaga ttatcacaat gctgtcagga 180
 gaattactct attttagctc tgtaataatc aagcacgaaa aaataatatt tgcttttacc 240
 ttggatgtac cccttctttc ttcatttgag gccgtgcctc ataccactt gattcttact 300
 atacat 306

<210> 36793
 <211> 191
 <212> DNA
 <213> Glycine max
 <400> 36793
 actcggatgt ccgattcatg cgcattgagat atcgattctc ttgtatttga ataacacaag 60
 ctctcgagag attggaatgg tcataactct tcacaccgat gtccgaatcg ggccgataat 120
 atgtctagac gctctaaatt gatcaacgga agctctcgat aaattataat gggcataact 180
 tttcactcgg a 191

<210> 36794
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36794
 gaggttgcct tttgagactg caccnattag tganannntc cggccggnccg aaaatnnact 60
 attatgaggt ggagatgtgc ttttattact aatattttac gcagagggta ttctgaataa 120
 tagaaccata ctctcatcc tcgatgactg gacccttgat ctacgaatta gtaagaggag 180
 aaaatacatt tcatgactcc ctgtcaaatt cattgtgtgt aaaaatttag cttgtccntc 240
 tctgtatata aactggata atatacattt cgtggaacta tgaagaaagg atttttaaat 300
 gtcaattgaa tactatatat acgatgggta atattctact ttgtttcata cacttggtta 360

accaattaac caagtcttgg tagtaggaga attggacatc tcttaataat aatcttaaat 420
 gaatctagtg agattggtca tttacttcgc gctgacgttt taatagatct cttatcaaag 480
 ttaccatctt ctaggaaaaa ttaattcc 508

<210> 36795
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36795

ttctccncaa tttctataat agggggagaa gtgaagtata tttggtttca gcccctttgg 60
 cacttctctg tctttcgaat ctgcttagga aaattgtttc cgtgaagaaa atccaagccg 120
 aggtgcttcc gtaacccttc cgagatgttt ccgtaagcaa atccgtgaag gtttgcgctcc 180
 gttctttacc gttcttcac cgtcttctgt tcttcaacgg gtaagttttc gaatccgaga 240
 ctatcaattt atttcttgtt ttttaagctt tcattctttat ttcgttcatt ttttatatct 300
 ttgtctacgt ctttaacgcg ctcttaccgt ttatttaagc cgtttctccc ctatacatga 360
 ttaatgattt c 371

<210> 36796
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 36796

tgcaagtcac aatgaggggc ggacgaataa aatagcacia tatcattcaa aaaaaatgta 60
 caaagactcg tataacatta tccagataaa acattaaaag aacaaatgag tagaaatctt 120
 ttctgcatag ccaaagaaaa tctcatagta tattcggaca tttaaccaa cacgtagctg 180
 tcaaccgcga aagtagtaca aaataaaatc aaatagatat ttagctatct ctccgtaacc 240
 catcaatata gccacaccaa aatctataga acaatgaaaa ataataagat catatgaatg 300
 aaacatttaa agaaaaata 319

<210> 36797
 <211> 199
 <212> DNA
 <213> Glycine max

[illegible]

<210>	36798
<211>	206
<212>	DNA
<213>	Glycine max

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tgcactgttc	ataatgggat	ccatccagaa	caggaggtct	gttcactgtg	cctccttctt	120
tctccatgtg	catcagaacc	aacctaccta	gatctcactc	agtgatttcg	agcgaccgct	180
ctgatacca	gtgaaattct	gataact				206

<210>	36799
<211>	128
<212>	DNA
<213>	Glycine max

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tctactcgtc tcttctgcta aatcaatata aatattaact tctacataaa atagtacaat    60
tattcaatgc tagtactata tcattatttg atatgtttct ttcttttttca ctacaaatat   120
aatttaat                                     128
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<210>	36800
<211>	410
<212>	DNA
<213>	Glycine max

cgacaataac tatgtactcg gatgtctgat tgagtcccga aatatatcga gacgctcgag 60
atggaatacc gaagctctga gcaaatccaa acgacaataa ctntntactc ggatgtctga 120

<213> Glycine max

<400> 36803

aacgaccacg acttaatcca acaacattga tgccatagta ttttgcgaa cccagcttac 60
 attcgacgtg ctggaacatt gcacaactac acgcttgaca cagtgccttg acagagctca 120
 tctccacccg cagcacaaaa caaattagtt ggaaaaatga agataaactg tgttaagcta 180
 gacctataaa cgtacaagaa gatactgtca gtttgtttca ctaactaaat caaataacat 240
 gttttttag cttatatata tcattaagaa accagtacga cagtacctga aggaagtga 300
 ttgtctttta atcgagtcag aaaccagtat atatcattta agatatgtaa gtgagtgggtg 360
 tcttttcaga cgaatgaagc a 381

<210> 36804

<211> 191

<212> DNA

<213> Glycine max

<400> 36804

agaggttcct ccgaagcgga gtggaggctt cttcacactc cagacatctt ctcacagagc 60
 gggtcggtca gatcatggat aactcgctcg tgaagttgca aaccatattt cgagaagatc 120
 caacgggttaa tgaaggctgg gcagcatttt taccgaggca gtttcatgta gctctctcta 180
 gaagcttcat t 191

<210> 36805

<211> 251

<212> DNA

<213> Glycine max

<400> 36805

tgcaacactt atatgacgtg gtcgcagctt ttctcttcta tagaataatt atgaccttgg 60
 cggcagtaga tacaatccag gttggaggaa tcatccaaat ctgagataga caagtcctcc 120
 acaacaacat cagcctgtcc ctcttttcca aaatgctact ggtccaagca agccatatgt 180
 tcctcctcca atgcaacaac aacagtagca gtcacaacat agacaacaag caactgaggc 240
 tcctcctcaa c 251

<210> 36806

<211> 529
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36806

agagggtttg atacgatacg actcgcanng nctcttnngn ttagacnacn caaccttgta 60
 gaaccctaac gagaggagtg cgtaacgaga ttctctngtt ttgtccgctc ggagtaaact 120
 ggggagaagg atatgtttgt tactgtcccg actattctac tccacaccat agataacacc 180
 tgtatacgat gtcccgacag tggctgtgag aggcgagatg cagaattaac ctaaactgg 240
 ttacatcttt gaagatgcgt gtagatggct tgacttctca ataacaagat ccatttgttt 300
 gaagaatgat tattatttta taaatgtagc accactatat ctattatgtg gcgatgcacc 360
 tattaacgat tgagggtggc tgtatatgtg aaatttatat ccatgcatga tgtctatcac 420
 atttggaaca aggcgctatg tgaaacaata agatattctt ggtctcggat aggaggaaca 480
 ataatcgat ttattattat tgtgcacacc tctggccatg ccaacgccg 529

<210> 36807
 <211> 235
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36807

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 cttagaggta atttagtttc atacaatcaa nacaggaacc agtgctcgac agatattatg 120
 tttttggcag aatctgagct ttaaagtgtt acaaacaagt tataacatca ctataatttg 180
 aaattaagtt aaagtntaat gtattaacct atggaacatc aaaagagagt atttt 235

<210> 36808
 <211> 216
 <212> DNA
 <213> Glycine max

<400> 36808

ccttcttttag tggacgtagt ggtggaagag acttccttac tccacctac tcttctcca 60
 ccatgactta gggagttttt cttttcctat ctcttcttt gctgttatta cactgggtctg 120

cgcaatcgga tggccaaact aaagttgcta atcatattgt tgatcagtac ttaggtgctt 120
 ttgtccatat aagaccatca gcttgnggggt gtttcctatt atgggaagaa tggtcctaca 180
 atacatccct ctattcagct acaagaatat ctccattcga aatcaccttc agcaggaagc 240
 cacctaattt tcctcagtat atagtatgta cctctaaaat tg 282

<210> 36812
 <211> 241
 <212> DNA
 <213> Glycine max

<400> 36812

aactaatggc gtgcttggaa ttgccttcga atgccaatcc aataaaagaa ggattggtgt 60
 tcaacatgca ttggaatgga agaatgctcc agagcaaacc cacactaagg agtgacataa 120
 ggacgatggg taaagaacat gtaatgcacc ttattaaatg tttctagtaa tctataacag 180
 cttgtattga atgtttctta taaatatttt ctctttcgat acaaattttc taacttttgt 240
 c 241

<210> 36813
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 36813

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 aactatgct agatggcaca ccatgtaatc tgacaatctc actaatgcac agggagggtca 120
 acttctctaa ggaaagccta atattgatgg ggataaagtg tgccaatttg gtcaatcttt 180
 caacaaacac ccaaatagaa tcaaaacctt tgtggctctg ggtagtccta caacgaaatc 240
 catggagata ctatcccact tccacttggg tatctctaaa gggttgtaact tacttgaagg 300
 tttgtgatat tctatcttag ccttttggtg gactagacac gcatacacia acttgctacc 360
 tctctcttat gttgggcccc aaaacattac ct 392

<210> 36814
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 36814

ctatacatgg attctggtat tgtgccattc tatttattat gatagatgtc aaggtttgtc 60
gagttatggg actcaagtat gaaactaggc aatccgccag tgaagacatt gagatctaaa 120
gcaagatgag ttaaggcaag gcattccaga aacatattct tacatgcgaa tccaactacg 180
aattagttca gccaggtttt gttgatatta ggcatagagg ttaatgtaaa tataggaaaa 240
atataactat atggtgtggt ccacgtacgc tgtggtatgt aatgattata attgaattcc 300
ttgttgttta aaccaccata atga 324

<210> 36815

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36815

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gaggaggatg tggattctga ggtacacacc gacaattatc gagattatga tgatttttgg 120
attccagggt tctttaaaga ggaatgtata actatcgata ccatagttga tattagacag 180
cttgacatgg aaaaaattac cgttgaagat gtaagcaagt tagattnttg tgactnggag 240
atagcttata ttttctactg ttggtatgct taaattactg gctttctgtt aggaagagtc 300
atattcttag aaacacatgt agggaaacac tgcaacanna cattgtttgt tatgtgctgt 360
tatngagaga t 371

<210> 36816

<211> 374

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36816

atccgatcat ggaaggactt ggcaactgcc ttcattatgc attaccagta caatacagat 60
atggcggccg atcagaacca gcttcagagt atgactaagc gagagcatga gtccattaat 120
gaatatgccc aaagatggag agatctcgca gcccaagtcg taccgcccac gacggagagg 180
gagatgatca caattatggg agatacgtta cccatgttct actatgaaaa gctgataggc 240

tacatgccag ctaactttgc ggatctcgtc ttcgccggag aaaggattga atccggacta 300
 cgaaaaggca agttcgaata tgcttccaat ggtggcccca acaacaacan aagagcccca 360
 gtagtgggag cgag 374

<210> 36817
 <211> 190
 <212> DNA
 <213> Glycine max

<400> 36817

ttattcaacc actctccatc cttatatttc acatcaaaat tgtcaccaag tctgacagtg 60
 tgcacaaac gaagattccc aacctgtaaa gggagtgttc ccgacaatga attctcacca 120
 agatcaagat acctcaactg tgagagaatt ccaagttcat aaaggagtcc cccatccaga 180
 taattatcac 190

<210> 36818
 <211> 499
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36818

ngattactga actagacatt tctannntct cgcaattaga caacngaacc taggtnnccg 60
 ctgtgtatgc atatggcgtg gctttatctt atctcggcta gacnacatac tnatggagge 120
 tgcgattgtt attatataaa ccttctctct tgatcttgaa tctatattta cttgatcttg 180
 tcagtttgag ggcttctctg tgatataagt tgcaaactct tcttgtttaa gtatatgagc 240
 gcattaaaga ccctgtctaa ctcaaggtaa cttcggaagt ccaatacaat cgatgcagtt 300
 taagcccctg catctctggt catgcggcac cttatttatt tactctactt caaccactta 360
 ttgccatgta atgacccttt atttcaaaat tggaacctaa aagctactgg actgccaaata 420
 aagtaccctt cggataagta gaacctcata tgctatctaa ataggtaagc gagggccatt 480
 gattacaatc gctttgtct 499

<210> 36819
 <211> 198
 <212> DNA

<213> Glycine max

<400> 36819

gatctaacaa actcggctta atgttcatga gaatgtttat tgtcgatagt attaaaacaa 60
ctctgcataa gaccgataat gctaaagagt ttatgagatt agtgggaaag cactctcaaa 120
tagcttataa gtctcttgct aggacattaa tgagtacatt aaccaccatg aagtttgatg 180
gttcatgtac tatgcatg 198

<210> 36820

<211> 333

<212> DNA

<213> Glycine max

<400> 36820

tacaacttca ggtgaagtgt gtgaggaaga tggaaccaca cggacatttt ggtctgaatc 60
ttctagagga caaggagaag gaataggaag aacttcttgg agagacaatg aatgggtctac 120
ggagggtgaa aagaaggggtg tgtcttcaaa gaagggttaca tctgctgaca tgtagtatcg 180
tctcatgggt ggagaataac atttgtaacc tttttgaaga cgagaataac ccaagactga 240
cctagcagag agtttgtcta taccaagaga caaatcattg acaaaacatg tacaaccata 300
cactttatga gagacatgat atagtggatc atg 333

<210> 36821

<211> 283

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36821

gtgttgaggg tgaaacttcc tgctttatatt gtgaccacag agtgggtacct gnagatatgt 60
gcgcgggggtc aagagaccat tgggacgtca ggtgggggtgc tattgcccaa aaccaagctt 120
gaccaatccc gacccaaccc gggcatagtc ggtcagtgag aacctgtgat gtacctaaac 180
aggcgagctc ctgacagtca acagataata ggaacaaaga ccacatagca aggatgcttg 240
tggtgggcttg ccantgtga aatttgtgtg atatgtggat tat 283

<210> 36822

<211> 246

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36822

gctactgact ctaccaaagc tgttctccaa aggagtntgg caattgtgga ggagaacaaa 60
 ctgtggaacc aagaggtggt gcaaaagggt gtgtccttag aggtggaggt cgccaagtag 120
 agggctactg ctcagacttt atgacgagtg gagtgcctta aggtggctaa tgccattgat 180
 gcttttgttg aagccgtana agtgaaccac taactgtagt tgcgcactct gttagatggt 240
 gatgac 246

<210> 36823
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36823

atacgactc ttacagagta tatgtggnnt cattcatagt aaatgctntt atttaccaac 60
 gatccaaggg ttcataact ctctttgctt ttttaatttt gatatgaata tccttcgata 120
 tgtcccctga attcctacaa tcacaatcac taattgattt accttctgtg tcattctctt 180
 tcagtgcatt ttgtggtcta gccttcgatc cactttcttt agagcttgct aatatcgagc 240
 aaccaatatt ggctagacaa actagtttct catgacaaat atcctatcat ggaccatatt 300
 acttgcataa 310

<210> 36824
 <211> 181
 <212> DNA
 <213> Glycine max

<400> 36824
 atctaattgt gcattctttg attgctcgaa tacattgtgc tttttcatcg aaggatcatgc 60
 caaccttaag tgcaccagtt ggaggttgaa cacggtcttg ttgctgaacg aaatgggtggc 120
 gatcaatgta ttgtggtaga tggctcgaggt tcaattccac tcgatgccta ggttgatgat 180
 a 181

<210> 36825
 <211> 178
 <212> DNA
 <213> Glycine max

<400> 36825

aatacattcc tcaccaaata aatgcattta aaaccattta ccaattagcc tatctgcca 60
 agacacccaa tgccaatttt tatttgattt aggacggcca aggtattgct actcactaga 120
 atattgaact tatctccaat gatgaaatat gttgacacaa ggaaccaga aaaaaggg 178

<210> 36826
 <211> 280
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36826

cgaggactt acccgttgaa gatcgaagaa cgatgtttat ctaatgaaga acgtcgaaga 60
 acggttgaga cctttgcgag attcctcacg gaaaacgtta cgaaaacgtt tcggaagcgc 120
 ctccgcttag attttcttca cggaaacaat ntttccaagc aaattcgaaa gagagagaag 180
 tgcctaaggg gctgggaccc tntcttctta tttcctcccc tatttatagc aaaatagggg 240
 aggtgggtgc cgcccagctc gcccaggcga gctcagctcg 280

<210> 36827
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36827

agtgattgtg tgcaaccata gattgtacat tgagtatcct ctttgatatg ttctatagtt 60
 gattctgcgt gaatttctaa ttatcataac atatgattca tggatatgat ttatgcattc 120
 tttctttctt tacattgtaa gccactgacc aaaaagatat ctcgatgtat attgttttat 180
 catttgcaaa gccctatgag ccaaacactt catattttgt tggaacacta acctatgata 240
 aaagtttcct accttacctt agttaggaag acaaagagtg tntgttgggg aattctatca 300
 tttgggggct aatgtgatta aatactctat ttttaaattg 340

<210> 36828
 <211> 515
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36828

agatttcac ncacganatn gcgcacatn ttagantacn cnaccncang anacgcagat 60
 cacactatgt ggggtggagcg ctttttttatt tttgtttntc tcnccaccga ccgcgcggga 120
 gtgttgctag aaaaacacta caccacaaaa caacgtactt aacactcaca tctaacacag 180
 aagattgtgg ctccattatt cctatcatca caatactggt atgtagaaaa taatctgtat 240
 gtcaactaac tctatgatgc cattgtctcc acctaaagct catcttcact atcatattca 300
 atggctatgg tcacatccaa agagaggcta gaactctctt cattcacagc gatctctttc 360
 actttgattt cacacatggc gattatctca ggcttgggaa cagaaactat ttcaattgat 420
 aagacatgac cttcttgaga ggaaccatcc cactggggag gcccgctctc cttaaattcg 480
 tcgctacacg ctttgagaga gaatcccttg tccag 515

<210> 36829
 <211> 178
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36829

agatcgccgg ttagacactc acctcttctt attttttatg ngggagattt gntggatggg 60
 tgtgggctta cttctgtgt ggagtaaagg cccaaatgag aaggtccgat ccattctgtc 120
 tcatttatat aagtggagag ggattatatt atgagagaga gagagagact tatttgtg 178

<210> 36830
 <211> 230
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36830

tgagattaan aatgaagatg tcagcttaat gattataccg ttttgctaaa gttgtagaat 60
 tgacagcaac ggaacatgaa atttgggtaa ttgaagttag ctaaaaagtt tccgtgtgtt 120

tgagagcctc aacattcaat ttcgagcgtc tcgatatatt aagggactca atcagacatc 180
 cgagtaaaaa gttattgtcg tttgaatttg ctcagagcat cgacattgaa ttgcgagcgt 240
 ctcgatatat tacnggactc aatcagacat ccgagtaa 278

<210> 36834
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36834

gaggtccaga gactctacaa gatgtgcagc cttttttgat ttaacctttt gctgaccag 60
 taatacacta gctntaactc gctattcatt tgagctaatt gtcttcatca tgtttccttt 120
 aggttgagat aacctaaacc ttttgatttc atattatttt atgggttatgc aggatattat 180
 acgactgcca atgctattta tctntcttca taagccattg gcccaatttc gatctgtttt 240
 aaaagcccta agagcacaaa ggcttgcttc aatcggtggt ggatctcttt agaataaac 300
 tgaacacatg cactgcctct ccaaaactta tttgcataca tcactacaga catatatttc 360
 ac 362

<210> 36835
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 36835

acgtacctaa gcaggcgagc tcctggcagt caacagataa aaggaaaaca agaccacaga 60
 gcaaggaggc ttgtggtggc tggccagctg tgaattttgt gtaatattgt gattgtggcc 120
 tctggtaatc gattaccaag ggtgggtaat cgattacaag gcttaaaatt gaagacaggg 180
 ggctaagatg gtctctggta atcgattacc aaggggtgta atcgattacc aggcttgaaa 240
 acgaggtcag gaagctaggg aagcctctgg taat 274

<210> 36836
 <211> 195
 <212> DNA
 <213> Glycine max

<400> 36836

tgccttttag cctctgaggc agtcgtggag cagattcctc gtctcttgcc gacctgtctc 60
aacaaggcag gcatgtttta ttggtttggga ttttgaatct ctcttggaca ttttatagag 120
aacttggtga tttgcttgct ataataactt acatcgggtca ttgctgggtt tttttttgta 180
attcccggtc acatt 195

<210> 36837

<211> 1349

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36837

nggggaatgg gacctttact ntnnngcatt tgcntatnnn nncgntgncn nancnnancn 60
attgganntg acanncacna ngnanccggn nngncganng cgctannntn gaannntnan 120
nggcangtnc accccctct tacgatcaat agtaggntcg nngaccngca attttnaaga 180
tanncantgc ntnntcatg nacngangnn nnnacaacgc canaacngcc ccnannnecg 240
gcganccgan nagntangta tangtnatcn aagcgaatgn tacnatctt tcntcccat 300
cngctngcna cgctgtnncc cancnannan ctnanngna nnannacncn tngnaacccc 360
atttcgaaac cctagangga ccnacntngc antaatannng antgggggtng cctcaantgc 420
cccantatt aananattaa aactanannt nntccttta gtctcgccct tcagggtagg 480
agtagtnctt tcgaactant ncnngtaaag tncancnagn tcgaaccaag catagtacta 540
cctantntgt actcagacgn ttntcnatct nntgggtgnt cggcangtgn gcnantnngt 600
agcanntact cccgtangct cttcntaagt nncnacccta acntacagca aaatanngcc 660
cgcnagcann accancgacn atttcgggggt anaccnatng cnggaacntc ntcgngcat 720
cgtttggatn ggaggggatng cntagtctc tgcaaaaaac cangcatncg cntccctanc 780
naccancng ntantancac ctaatgggggt cgatcaacgg tcagttttan ttttagctnc 840
ccagtactag tccantagtc taccanttc gacgtgcagt tgaaactcct aatcatggta 900
ctcgggggatc gtcaagtcaa tangcncca anttannatc nancnnant ngatnngtca 960
gtggtnghaa gctnncaaga nnaccgncg ccctcatcag tcntctntnt taagcttgaa 1020
aagtagtate tnnatcccca ntnatncgac ngctntgnga nnggggtgnt aaacgaagcc 1080

<210> 36840
 <211> 351
 <212> DNA
 <213> Glycine max

 <400> 36840

 gatgcacaca cctgtgagca agcgacgaag ccttttatct tctaacctgt gcgaacgaag 60
 agcgggagag ctccacaaac acggcgagct accaagagac ctccatgtct tacaaggtga 120
 cgacaagcta gctcgatctc gataactcag acatgacaat agctgaatta ctgtatcatc 180
 aggcaaacac ttccaatcaa caacccttg cctttgagtt gccaaatcca aaacctcatc 240
 ttgaacttca gggagactag actgcaccac attccctatg ctatgtctcg ccagctttcg 300
 tctcactcta tgatccatgt ctcaacaaaa tcacagcata cccacaccaa c 351

<210> 36841
 <211> 173
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36841

 tggtcctaac ttttaactcg taggtctgat tgaggcggat aatatatcga cacgctccat 60
 attgaacaat ggaagctctt gagcaattca natggtcata aatagtcact cggaggtccg 120
 attcaggcgc ataatttatc gagacgctcg aaattgaaca acggaagctc tca 173

<210> 36842
 <211> 188
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36842

 gattgnnggg aataaaattg tgctacgttc taattcagaa ttattataga atcaaggtgg 60
 agattgttgg aaggagtgaac cgacactgat agaggtaact gaatgacact attgtatcgc 120
 tccagtctag cccttagtgt agaattctatc tcttgtcagt ggtgcatcta gtctattcta 180
 tgtaacat 188

<210> 36843
 <211> 262
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36843

actatgcaga gaatatccaa gagaaatacc ttcttcagat ttatcatcaa attntcctaa 60
 gtgatgtttg gcattattca atacaaaaca ttacaacca aagatataaa gatgtgagat 120
 gtttggtttt ttgccattga acaattcata tggagctttc ttataatgg gtcctattaa 180
 agccctatth aaatgtaaca tgcagtggta acagcttcaa ccctggcata ccctaatttc 240
 gtccggggac ctttgcttga tg 262

<210> 36844
 <211> 355
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36844

cgtatgaact tgtatacгна ctttggttaa aacgccggcg gagancnacg tagaatgcgg 60
 gactttttct aaaccagaat ctacaggggg ttttgtactc ttacccttc accatgcaat 120
 gataggaatt tctagatcat catctacgga acaaactagc catacttatt tgttcagtga 180
 aaagggtaat tgttctatgt cctgcggcgc caacttcaa tggaagaaat cctctgccat 240
 ttatgttgta ttcattcagc cgaaggccat tcatccaata ctttcttatt ctgggactta 300
 tgcataattha agtggcggtg ccctcagaaa ctctttatg atgtgtatag ctccc 355

<210> 36845
 <211> 364
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36845

aggtgactga ncccaccttg tatagacgag cgnagagggn ttataatgag aaactttatt 60
 tagaacccca cacaaggggg ggttttacac tttccactcc tgagacatag ggtagatgag 120
 tgtcttggtc ataacattta aacatgggat tgcccacgtc cctacattgg tctaaacaag 180

aagccccac aagccttggtg atagcttggg accatagggc ttgtatggac acccagggca 240
 tatggttgcc gattatattt ttggaaccct ttttcaaaaa agctttaagt cccctttatc 300
 caggcgagaa ccaatttatt ctacacccaa tgggactttt ggaattacac tttgaacatt 360
 tata 364

<210> 36846
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 36846

ccaagtaaaa attaatggcg ggtgggattg gctcaaagat tcaacattca atttcgagcg 60
 tctccatata ttacgggact cattcagaca tccgagtaaa aagttattgt agtttgaatt 120
 agcttagagc ttcaacaatc aatttcgagt gtctcgttat atcacgagac tcaatcagac 180
 atccgagtaa aaagttattg tcgtttgaat tggctcagag cttccacatt caatttcgag 240
 cgtgtcgata tattacgggc gtcaatcaga catccgagta aaaagttatt gtcgtttgaa 300
 ttcgctcaga gtttcaacat 320

<210> 36847
 <211> 240
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36847

aagaaaagac taactacggg aatggaatga aaaactatgt aagaatctta cagggaccag 60
 tcttgaaata aatgggaaaa ttccagataa ttatttttgc aagatcctaa tntcacaatt 120
 gaaagcaatg accattcaac aacaaaataa aatatacatt tcaataagtg aatagcaaaa 180
 tgacaaaaat gaaaagttct attgtggcaa cttacaagct tgtaattgag gcattgtagg 240

<210> 36848
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36848

<210> 36851
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36851

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 gaagaagatg ggggtgngat tattgtgttg ncgacacnaa gcaaggtctg agagacgtgt 120
 gcaagtttcc tacaaccct cactaggtgg gccattaacg ttatcatatg ctgacgagtt 180
 ccgacaatcc cgcgaaatctc tatctgggcg gaatacgaga atgccacagc tttggccttg 240
 gctaacaatc ggagaaattg tagagtccca ttcaaaggaa gagcaaaccg atccattcac 300
 atgggtggcct catggtgtaa agaataatc gcgctttctc tacactctat tgctgcgtat 360
 acttaggaat actcaaccga gattctacgc tagccgggca gggcaacacc ctactgtcnt 420
 gagtactaag catgaatgct aactgttggt cttgtgccgt ataacggtga gacaacgttt 480
 ttggacg 487

<210> 36852
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36852

agagctgagc ctgtatagca acatttataa taagaccccg ccttancnna gaantataag 60
 agagagatgg gttttttctt tttttacagc acgaaccctg gggcgaggtg gatactaaaa 120
 aaaccacccc cctacgggga atggaatgaa aaaactatgt ancgattctt cacaggggtac 180
 cacgttcttg aaataaatgt ggaaaatata cctaaaggaa atctcttgac gattcctaac 240
 agtcccaatt gaatagctat gacgccttcc atctcaaaca aataacctct ttctctctca 300
 ttatggaccc acctcgcgta cccgctcaca aatccaaatn tagacttoga gttaacccgc 360
 caccactaca cgcaagccac tgctgccagg caaatctatg cgaagaccta ccacccttt 420
 cgtaggttcc acacactcct ccccatatt atttggtatc ctctccatcc caatcttttc 480
 tctctacccc 490

<210> 36853
 <211> 187
 <212> DNA
 <213> Glycine max

<400> 36853

acctgagggg acttatagcc tataccatac ttcccacaat ttccttagat atttatcagg 60
 cttgttatgc caacgatgcc atttcctata cccatgccgg gttcataact cgctcccaac 120
 atcactaggg ccatcattac cggcgcatga gacagacaac gctgccc aaa gagggagtcc 180
 agggatg 187

<210> 36854
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 36854

atgacaaaaa gctcagaggt gggttcatga taatcaaaca atgagttcca gatgtacaag 60
 atagaatcaa gaacaccttc tggttcaaga ataactttta tttcatgaat caagaatcaa 120
 gatcatgatt cacgaatcta gagatgactt aatcatcatt agtatgaaca agtggttttca 180
 aaaactgagc tgcacatgga tttttctcat atcatgttta ccaaagagtg gttactctct 240
 ggtaatcgat taccacattg ttgaaatcga ttagcagtgg caaaatgttt ttgaaaagtt 300
 ttccact 307

<210> 36855
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36855

atgatcagcc gttgaggtgc ttcacctttg gggacttcca gctatcacct atggtagaag 60
 aatttgaaga gatcatagga tgccctctan ggggaaggaa accatacctc ttctcatggt 120
 tctatccctc gttagctaga atttccaaga tagtccaaat ctcgcgcgca ggaattatac 180
 cacagggagc aagtcgaaaa tgggggtggtt ggaataccga gaaaatattt ggaggcaaaa 240
 gcaagaatct tggcaggtaa aggcgagcgg gtcctgttca tagatattct cgcactgctg 300

atctttgaag gggctctctt tccgaatgtg gatggggttg tggacctagc agcaatcgat 360
ggttttctcg cctatcat 378

<210> 36856
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36856

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actttgtcct aacactctta tatgtgctac tcatctttct atctataatt acataagctc 120
atatgtatct ttatctacgt tcaccattca tcattgatgt tcgtcactaa gctttttttt 180
aatttactgc tcaaatatct tttttaactt tagtctgcaa aaattattta tctaggatat 240
agtgatatcc caacctttgc cctgaagaat ctactttgaa aaccacctt 289

<210> 36857
<211> 162
<212> DNA
<213> Glycine max

<400> 36857

ctgctcatat agcacactgt gtctttttga atcgagcttt attcaacatt ccttggtctt 60
tctttgaatc ttcaaaccat ggataatgat tccccctttt atcagtctga aaatcttaaa 120
taattctcgc cctaatacctt tacctttctaa tgccttcacc tc 162

<210> 36858
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36858

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tgttacttgt gtcacatgt aatgtttcct ctactactaa ttcgataaaa ccaaataaaa 120
aaaaactaan aaatgaaacc taatatcatc aacaacatac accaaaattt ctagtattag 180
tatcaccaaa atttttggct gctgggtttg tgcacattcc ccacatttga tcttcgatga 240

tccaatctac aaatctcccc cccaccccc ataaaaatga ataaaaataaa gaaaataaca 300
 gaaactttac aaaccatttc agaaagaaaa aaagcgctta attttaaatac caattgaaaa 360
 attaaatat 369

<210> 36859
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 36859

aaacacctct ccgtcgaaat gatttcccca tgtcggatag cttaaaggat caatacttgt 60
 atatccttct ttccacaatt ggaccatatt tatagcttct gacgaatgtt cttgatgttt 120
 gctaattgtt caattatgtt aggatttacg tagacctaat gtaaccaat tccaattgta 180
 atactgaacc gatacttatg tcgtctccga agggaaatagt gcaaggatga atattcaaat 240
 taaaaccttt tggataaaaa tattaccgtg gattcatatg ttaaaatacc tagaactaac 300
 actaatctta accacaaata aaatatatat tttgctagag attaattgtgc ctgaaattta 360

<210> 36860
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36860

ctacatgttn ataaaaggaa ccgcgggtgt ttatataaga atgataaacg ctctaccang 60
 aggatactat gtcaatggaa ccacgaccaa agtaaagaaa attatagaag atgtagcagt 120
 tagtgaacga gaccatgatt gcaaccgcac ctgcgcaaag ggcattcaca aagaagacat 180
 tgaagatgaa tccttcaaac aacaaacaca aatgaaatct atgatggagg ctatgatgga 240
 gaatgtaacc aaaagcatat tataaaaatg taatcattga tattgccaaa gaaatcgatt 300
 ctctcatgtg aagagtgtgg aggtaaccac cataccttct actatatgaa gaatagtacc 360
 ttagaagcca aattcatgag aaaatgcgct acataatt 398

<210> 36861
 <211> 438
 <212> DNA

<213> Glycine max

<400> 36861

tcaagtcact cccgcattgt atgtctagca ttctttgtat gttgggtctcg ccctttgtca 60
cggggaggcg gaatgtccat atcaccttct taatcgtaca catgggtgcac tgcgccccca 120
tatgcacaag taataagaga taattctccg ggctctcgtg tccgctaaat gcattcatat 180
catgcaccac ataagcatct cttcataaca tcataatgga catatcctgc atttgtccgc 240
tatcatattc cagcctcaca ttgtgcatga gtcatggcat catcatgcat atgcgttcaa 300
caaacttttt gatctgcaac attgcataacc attagttttc atgggtggctc atccttgctg 360
tttctcttac agaacactaa caaatgaggg ggaagcgtga aacttccact acattcttag 420
ttcatgtgta ggcaccac 438

<210> 36862

<211> 379

<212> DNA

<213> Glycine max

<400> 36862

gttcagcccc ttacgcactt gtgtggctct ggatattgct gagaacaact atttccgtga 60
agaatatcca agccgaggcg cttctctaac gtttccgtaa cgtttccgtg agtaattacg 120
cgaagattct cggccattct tcaagattca tcgttcgttc ttcgttttct tcagtcttca 180
acgggtaagt acctcaaacc aagcttttca attcatttta tgtaccctg gtgggtccaca 240
tttcgtttca tgtatttcta ttctcttttt catttacttt ttataccccc ttttgacgtg 300
cttaagccaa ttatttaagt catttctcgc tgactctatg aataaaataa atttccaccg 360
atcgtttgaa ttgtatcat 379

<210> 36863

<211> 411

<212> DNA

<213> Glycine max

<400> 36863

gagatgagga agtgtagaaa ggtgaaactt gctgctttta ttcgttgacc acagagtgg 60
acctggagat atgtcgcggt ggtcaagaga ccttgccggac gtcaggtggg gtgctattgc 120

$\sim 40^\circ$ $\sim 20^\circ$ $\sim 10^\circ$ $\sim 0^\circ$ $\sim -10^\circ$ $\sim -20^\circ$ $\sim -30^\circ$ $\sim -40^\circ$ $\sim -50^\circ$ $\sim -60^\circ$ $\sim -70^\circ$ $\sim -80^\circ$ $\sim -90^\circ$ $\sim -100^\circ$ $\sim -110^\circ$ $\sim -120^\circ$ $\sim -130^\circ$ $\sim -140^\circ$ $\sim -150^\circ$ $\sim -160^\circ$ $\sim -170^\circ$ $\sim -180^\circ$

<400> 36864

<400> 36865

<210>	36866
<211>	413
<212>	DNA
<213>	Glycine max

<400> 36866
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 gtgagcggcg gagaagctat aaaattaaca agcactctaa agaaatatcc ttaaacaaca 120
 ctgaagatta tggatgattc tgattaggca aagattatag atgggtctga tgccatcaag 180
 ttgatagggg ttatcataat ctattcagtt tatgaaatat tgaagcacat acaaattgta 240
 tgacctatTT tttttcatta tttagctagg tttgtctctt atcattaatt aactatggac 300
 aatctgatta tatctgattg cggtgtcaca aatatggggc aagaaatcat cggtgaatct 360
 tctcaccacc tgtgttgaat tgtataattg tgaacactgg attactatac tag 413

<210> 36867
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 36867
 acaatgcacg cataaaccga ccatcccctg ttgcccacct ccaactgagc tcacgtactc 60
 ccacgtagcc catatcctcg tttctctcaa caccgggtcc ccatcaatcc tcccaagctt 120
 ccacaacatc caagaaaaac aacattcaaa cagcacaagc tatcacagcc aagcaaaaca 180
 gagtaaaggc agataactct gctcaacaca tcaacaaaaa tcacagcttt tctcacttaa 240
 agaccacagt aacaattcct tcgatccaat tcgttaaccg ttggatcgac tccaaaatgt 300
 tactggaagt ctatagtga taagcctaca ttgtaaccgt tgggatctac tagaaaacat 360
 ccagaactca ttctgtacta ctctt 385

<210> 36868
 <211> 537
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36868

cgctgctggg acttgcannt ncanncnntt tagttatann acccgngcgt gcnggcactc 60
 cncngtatat aagagaggat agaggannct attgcanttg gcacaaacct acacacanng 120
 cccgaggagg aattgtctaa aacactcgcg gcacctcact caggatcgag aaggacgcat 180
 atacccttg cgtgtgacct gccaatcct attacatcca cagtttgcta cacacaccgc 240

gtcaatgggc attaactgat cgcaataacg caatctctct tccttcaccc accacccac 300
 ttaatccact aaaggggtgcg tccctatcat caactctcaa tagtctcgtc tacgcgtact 360
 gttcaattga cacacactca ccttgacttc aaacccaaat caccacccat gcaatggatt 420
 ttgcaccgag aaaacccgta caatcacccc aattcagagg ctatgctgac tggctccata 480
 tctctgataa ttgaagtgc cataccccgc caagttcaca ccttcatttc ttgaaag 537

<210> 36869
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 36869

gtatattaac atacaacttc tcttgtaaac aacatcatac atcattccac atcatctagc 60
 cattcaatga ctgaagaaaag actcttaaac tttgaatacc tatcacatat ttggccagag 120
 gaacaccata tgcaagcgta attaagaggc cacctcgtaa ttacatttga taacgtatta 180
 ttagagttgt ctgagaggca catggaagtc aagtcaatct tgccatgatg agatcaatat 240
 cacttggtga cagaggactt acctctaccc caaacaaaag tcactactct taagtctatc 300
 caggggtgaa gaaacgaaga acctctcttt ttacag 336

<210> 36870
 <211> 153
 <212> DNA
 <213> Glycine max

<400> 36870

ttggagagct atctgttgca tgtgatgatc ctagggcatt tcttcttttg aagaattata 60
 tacatgagac acaatcatgg gagcaatttg ttgcatctgt gagaatgaat ttgttattct 120
 ttctggaagc tggatgcatt tttggtcttg ggg 153

<210> 36871
 <211> 188
 <212> DNA
 <213> Glycine max

<400> 36871

ggaagatcat taatccatcg ctgatccatt cataatgtac tacaaaaatc taatccatac 60

<210> 36874
 <211> 363
 <212> DNA
 <213> Glycine max

 <400> 36874

 atcttattga gagtgattct cctacattct tgagtgattc aagaacacct tgccctgtatc 60
 aaaggacttt cacaaccttt gtgtgttgcc ctacttgaa agagtgatac tttccttcct 120
 ttcatgatca cccttggtct ttcaaaccac aattccagaa aatccacctc tgcccagaat 180
 tatctcgtgg ccataactcc cattttacgc actcaaaata agtgattctt gaacctaaat 240
 tgaatttcaa aacgagacct ttcacctcgg ttccgaatca cctcatttgg aacctgtac 300
 cttcattatt gccatttcta tattcttggc cagccaccac ttaacctatc gtttaccatc 360
 cca 363

<210> 36875
 <211> 368
 <212> DNA
 <213> Glycine max

 <400> 36875

 ttcttatcca aggetcatct aggaggagaa gctccttctt cctatgctta ttccttagtg 60
 gatggcgcggt cctgtcacct attctccttt gccttcgct gcctctccat gggggaaaat 120
 caccattaat ggacctcata gaagctcaaa gatccagcct ccatagaagc cccacaatca 180
 agcttccatc acaaagtcct gtgatcaatg tgggaaatcc caggggcccg ttggacttat 240
 ccagatccaa aaggtgcctg gtcagtgcc aacctgcaaa tagataaatg gcacaccaa 300
 acaactgagc cacgcgaatg ctcatccagg tcaagacggc gtacaccaac tgacactttt 360
 acaggggg 368

<210> 36876
 <211> 385
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36876

accaagtaac ttctcttacc catttggtgct actatgatta tgtttaaaaa atatagtcac 360
tcattgctcc tatgtattag acacttagtt tcaatttt 398

<210> 36879
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36879

gtcgtcattg aaacgcctt ggataancgg ggtcttcnc agcctaggag acactttttt 60
ttaatctgac tggacctggg ggattattaa gataatgtcc attgggtttg tgttaaaaat 120
ttaatgatag gctaacatac ccacgtctga tcaccgataa acctgggtgc atcttttatg 180
tcttggtgcg tttttaaaact tatttacagc tggacttcaa cccattgatg tataacttta 240
aagtttctcc ataattttca tagaacaccc tctcttatgc taaagacaat attgtctctc 300
cctcttccca gcctatgcac tcttctttcc tatgaatggt atatccttag gtccttggg 360
acg 363

<210> 36880
<211> 251
<212> DNA
<213> Glycine max

<400> 36880

accctgctgg actgcattct gtcgggaaat ttccaccacc cactatatct ttagtcagcc 60
aataacatac tttctccttt cccaccaccg agatatccac ataggccatc cctagatcta 120
ccacaaagtc tgtttaccgc acttcttatg acgaacacca cctgtatcac aaacccaaaa 180
caccaaccct tatgtgcaat ttgcagcgag aaagcctgta gaattaaccc caattccagt 240
gtctatgctg a 251

<210> 36881
<211> 193
<212> DNA
<213> Glycine max

<400> 36881

ttactatatg taccaccccg ccacaagaaa cacaatagtc acaagctatg cgaggctttt 60

tataacaata taggcatatc tacatgctaa caacttagag accaatactc caaaatatag 120
gccactataa acataatctt atgactatca gcgcaaagct ggaggacca agagaagaat 180
gtagagggtc tac 193

<210> 36882
<211> 523
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36882

cgcgctccggg ngnggggagg atgttcattc cttgtatnac cccccnntt gatgnancna 60
ncgangccnc ncnngcncan cagcnaagga ggcgaggaga anttttttta attatnccgc 120
caccacnaa ccgagggggg tttttatttg atggcagacg ctccacttct ggtgtggccg 180
gctggatagc ggtagataga gatggtctct cagcctgtac ctcataaaag acagacacga 240
ttatgtgcac ttcctaacac atggctactt ctatctgacc gcataaaatc aatctcacga 300
ggcaatacat caccacacat gtaatcaata tgatatgcat attcactctc cgcacaaat 360
ccagacatat gatcaagtac agatgcgcat tcaatgcatg aagagtgaca gacatgcaa 420
ttagactgaa gattagtctt gtgttcatca accacatggt ccattatttc cacacgaaat 480
actagaagaa tctccgtggg tgtccttacc acccgatatt aan 523

<210> 36883
<211> 440
<212> DNA
<213> Glycine max

<400> 36883

agaggatgct tcaatgacga aagagaagga gattgtttat cacgaaattg aaggaataaa 60
agaggagag atgtggaact ttgaagtgcg ttcataaga ctttcattca tcaaagttac 120
aacaagtgtt acacatgcat ctatttatag actaggtagc ttccttgaga agctctcttg 180
agaaaacttc ctttagaagc ttccttaaga aaactttctt gagaagctag agcttagcta 240
aacacaccca tctaaaaact aagctcacct ccttgagaag cttccttgag aagctagagc 300
ttagctacac acaccctct aataactaaa ctcacctct tgagaagaga agctagagct 360

tacctacaca cccctataat agctaagcgc acacccatga caaaatacat gacaatacat 420
 aaaaacatgt cctactact 440

<210> 36884
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36884

catgcaacgt aatgcatgca gggtcaccag ntagttataa cggcttaaga ccattattct 60
 gttattggag ttaattacag gccataatgg tgcaatacca ttgtataaaa ggagatcata 120
 ttcatgaata aagcagagaa aaccattttc cagtaatagt ttagcgtaga tatccttctc 180
 ttacctctcg ctcatatcaa tcttggaaatg gtataattaa gatcagttat gcgccggctg 240
 tgcggtgcat ctcccattga taaattaagt ttcttctcca gggactcccc ccacaaaaat 300
 atagaacaaa aaacaacata cgacattgcc aataaagtga gtaaaatttg tgcacgccaa 360
 gcattccaca gccacagtga cgacgccata tatattccga gtgaaacctg atattctaata 420
 cgtatcgtgc ttac 434

<210> 36885
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36885

gatgttgtct tcgtagcacc ntttgaataa aaacngccgc tgtaacgna tgatagttag 60
 agcctttttt ttctcagcac acgaccgggg gctgttttta gatagccctc tctctagt 120
 tagaaaatta tcgtctccga ctccatcatg atgtgagatt aacctgcatt actctactat 180
 ccaactgcgt aagtacgttt gctagttatg tgacaccatc ataactcgta ttatgtacgc 240
 ttgcttgagt agccaacttg atgcgaacag atctatTTTT catcatactg tctgattagt 300
 cgatacttgt gcatgccttt cttttcaaataaaaattcata tgctaattgga aagctctctc 360
 tccgatgatt acctctgatt tgaattaagt catggcttca cgtaaatatt atttctattg 420
 ttgatgtatg tctggaatac cttattacca gtatctgatg agtatattgt atgtntctc 479

<210> 36886
 <211> 135
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36886

 gtnggggtta cctgaccgag aaaaattaaa aaggtaaagc ccagaagaaa agaacagaaa 60
 aagaaaaccg gaaaaaaagg agaggaaaag gaaatgaaag gaagaaggca aaaagcagga 120
 aaaaagaaag aaaaa 135

<210> 36887
 <211> 176
 <212> DNA
 <213> Glycine max

 <400> 36887

 gtgcttcctt ttaccctgac ggtaagattt taacaccggg gaaaccagcc ctgacagttg 60
 attaaaaagc agtattatct tctgcaaaca ccccgaaata tcccataagc agaacgtaat 120
 ttttctaca aatatccaat ttactagcac taaaagcttc tagaaagtct gatcgg 176

<210> 36888
 <211> 229
 <212> DNA
 <213> Glycine max

 <400> 36888

 caccaaggag ttaaaaaagaa tagatcacc aagaaaaagc ccaaaaaaca gccgccggaa 60
 aaaaccacc catgcgcggc ccaaaccaag tttatcaagc caaaaggga aaaaaggcga 120
 aaaaaggaaa aatatgtcac cgaacaaccc gccagcacca aaaggaaggc actcacaaaa 180
 gcacaattta gctcggccaa ctgatgcgaa caacagcaga aaacacacc 229

<210> 36889
 <211> 345
 <212> DNA
 <213> Glycine max

 <400> 36889

 atgtggcaac aaccatcact cataaagttg gataaatgct caatcaatca tgctccacat 60

tatgcaattt cacatctgac agtgaaggaa ttattgatcc ctatgaccag ataatgagac 120
 tacaatttca tctcagctct ggcaccgcaa caggttggtg atcaaatacct tcaaatacca 180
 ttgacaaatg agtttgagga tagaaggatc tatagatata ctaaagatgg ttgctacaat 240
 gtcaagagtg gatatagact ctttgtgaat tattttaagg gcattaatta taatgttttt 300
 gattgtcgac gtctcatact tgtactggaa tatccagatg aatca 345

<210> 36890
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 36890

actatcgctc cagtgctagt gtttcctatc ccgagaaaac cctttgaggt gtattgtgat 60
 ggatcaaaga tgggttttagg aggagtattg atgcaaatg gccaaagtat ggcctatgct 120
 tctagacaac tcaagactca tgagaggaat tatcccaccc atgatctgga gttggctgct 180
 gtagtttttt ccttttagat gtggaggcat tacctgtttg gctctaagtt tgagggtgttt 240
 agtgatcata agatccttaa gtactcggtt agtctgaaaa agttgaacat gcacaaagg 300
 agatgggttaa agtttcttaa agattatgat tttgagctta gctaccatct caacaaagcc 360
 aatgtagtgg ctgacgcctt gagt 384

<210> 36891
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36891

cttggcattt aatagtttta agcgtaaaag ttagtttaaa ttctgtttga aattatcaat 60
 cgtacatggt ctctcaacaa tgcttcattt cagaacttaa ttcaggctaa cattagttcc 120
 ctgtgttcga tactcggatt catccgtttt aatttttaaa tacttgacga tccagtgcgc 180
 tttccggcaa accgaatttc ccttgaatat atgtgaacga agaaaaagtg gaacaaaaag 240
 taactgtagg ggaaatccaa caactactgt aggagacatg tttntctctt ttcatttctt 300
 tcattatttt ttttctttct tctctcttta ttgtttctct ttcatttga cttatttctt 360

gcacctcttt tttaccctct ttcttttctc tc

392

<210> 36892
<211> 293
<212> DNA
<213> Glycine max

<400> 36892

gggggggggt tgaattaaga tatccccaac tgtttccctt aattaaaaat ctattccact 60
ttttactcaa gttatgaatc cccttaatga caatcttctt aaatattaat tgcagcaaag 120
caacttgatt atgaatataa agcaataata tataaaggag attaagggaa gagaaaatgc 180
aaactcagtt ttatactggg tgcggccacac ccttggtgct acgttcagtc cccaagcaat 240
ccgcttgaga gttccactat ctgggtaatt ccttttataa ggtcttaaca cac 293

<210> 36893
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36893

aatgaagaac gnccaaaaac nagttagttc ttgcgaaat tctcaccaca caacctcacg 60
gaaacgtttc ggaagcgcct cggcttagat tttcttcacg gaaacaattt ttccaagcaa 120
attcgaaaga gagagaagtg cctaaggggc tgaacccctt ccttcttgcc ttctctccct 180
atztatagca aaatagggga ggtgggtgct gccaggcga gctcagctcg cccaggcgag 240
catgggtgct tctccagaa gcaaccgcct tctggaggaa tattccggag ggcccatgtg 300
ggcctgggtg ctatttgac cctcattgtt actaagtaca ccccatctgc tgtttgttgg 360
tgatgctttt ttcgtaaagt taccggaact tacg 394

<210> 36894
<211> 404
<212> DNA
<213> Glycine max

<400> 36894

tcttgacatc atcaaatct tgcaggaggt acattctgcc cctttgtgat gatgacaacc 60
acctgtaggt tacgagcaac aacaaagaaa atatctattt gcatatagtt tactccccct 120

tggttttaca atgatttctt atatgagaca atagaagatt tcatattttt catatataaa 180
aagttgtctc ataaaaaata aatcatctca tcttattaac ttatctttta tctttctctc 240
cccctttgtc aacatataaa acaaatcatg aatagagagg agaaagatgt taccacttgt 300
tgtaatgtat gagaatcaag agataccaaa aggcgttata ccaatcattc aatattaatc 360
aggcagaaac aagtacaata tcacatctat cgaacacagt ctta 404

<210> 36895
<211> 377
<212> DNA
<213> Glycine max

<400> 36895

ctatatecctt atctactcac agggcgctat taactaaatt aatctccttg aaaataatat 60
tacggataaa aataacacaa cagatataat caaacatcaa atataattac taataatatg 120
tagatatata tcagggtgtt acactccctt ccttcctaata tataatatcc tttttagaaa 180
ttggttcgcc cctctttata tgattttatt ctaatcgcta gacactaatt attatttcta 240
catactctta ggtgattatt ctctctccaa acattaatga taatgcatta tgtggataga 300
gagataagaa aatgataatt ttgaataata ataaaataat tgacatatct aatgtttaaa 360
ataatgaatg aattatt 377

<210> 36896
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36896

tgaccacaga gtggnacctg cagatgggtc gttgggggtca ggacacctcg gcggcatcaa 60
gcggagtgtc attgcccaca accaatcttg accaatcctg actcatcccg ggcatagtca 120
gtcgttgaga acctgcatg tacctaagca tgcacgtctt tggctggcca catataagcg 180
gataccgac cacaatgcat ggacgcttgt gtagtggctg gccaaactagg agtctagtgt 240
gatatctgtg tgatggcctc tggaaatcca gtaccataga tggttaatcc attac 295

<210> 36897

<211> 263
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36897

ggcttctgtg ancttatagc cgccgaacca agagagggag ttttatttaa ccacaccggg 60
 tgactatact ccaaaaaacg taaaaaccac aattcgctaa cgatctagaa taataagata 120
 ggggaacaca gagtgcataa gaaggctgtt agtcaatcac ttggtgcaag ttataaccagt 180
 gaccatctgg gccaaatcag cctgcaacac caatagcagg aacgtggaag ctccgcgcag 240
 tagcaggtgt accccctagg ggc 263

<210> 36898
 <211> 402
 <212> DNA
 <213> Glycine max
 <400> 36898

ttctttcaca atcaatctgt ctagtgacta accattctat tataagttca cactcttggt 60
 ctttcgttgt tgaacatgca catttgctca aattcatgaa aggaaacaca catttcatca 120
 taagcatcta ttcaatctaa aacaaggcat acaaccattt tcccaaaata aataaactac 180
 ttcactgcca taccatcaaa agttaagtta aactgttcac gatgcttcaa gatgagcaaa 240
 tatacaactc atgcacaaga ctaacaaaaa gtaactgatg tactaacatc aaagttatac 300
 taataattca aaaagcacag gatataatcg acagaaattt acaagtcttg tgatcaggcc 360
 taggtgtact atgtctgaac ctctctctcg tcagtcaaat gc 402

<210> 36899
 <211> 397
 <212> DNA
 <213> Glycine max
 <400> 36899

tgtaattctt cttctaagtg gagtgtggtt ctaattatgg tttctatagc cttaaagtaa 60
 aaaggactaa aagagaaaac attaaaatat taaaggatgt cagctttcta agacggttat 120
 tacatcagaa tcgtctaaga aagcagggtc tgacaaactt tctaagacta ttttgatgta 180
 ataaccgcct tagaatgttt attcttctaa gacggttcta ttataaccga ctttgaatgt 240

cagtttttta agacggttat tatatcagaa ccgtcttaga gagtttgtat tttagatgat 300
 ggtgtttttt ggaaccatca ttaattgata ttcactttta acaacattga ttataatgac 360
 aattgaaaat cgtcgttaaa ggccaattta accgtcg 397

<210> 36900
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36900

caaacattaa aagggagaag gtaatattgt agccgatgct ctttctcggc ttcatgcatt 60
 actttctatg cttgaaacaa aattgattgg tcttgaatgt ttgaaaagca tgtatgaaaa 120
 tgatgaaact tttagagaaa tttttaaaaa ttgtgaaaaa ttttcagaaa atggtttctt 180
 tagacatgaa ggctttcttt tcaaagaaaa caaattgtgt gtgcctaaat gttctactag 240
 aaattttctt gtttgtgaag cacatgaagg aggtttaatg gggcattttg ggatccaaaa 300
 gactctagaa acattacaag aacattttta ttggcctcat atganaaagg atgtccacaa 360
 attttgtgaa cattgcattg tatgtaaaaa ggcaaagtct a 401

<210> 36901
 <211> 264
 <212> DNA
 <213> Glycine max

<400> 36901

tgttggcagt gtgcagtcta attgctattt gaaaatcaag ttgcggggcg ttaaattatt 60
 ccaagtaccg gtgtgcaagc actgaaggta ttcatgcata gaaataatta tatcatgacc 120
 tttgatgctc acaacacatg atcaaacaat gcagactggg tttgcatttg gttctaatta 180
 atgaactggg ctatctgaaa ttgttttaag aaaggaacag agatacactt ctaatttgct 240
 ggcagaatat aattggagtg cctc 264

<210> 36902
 <211> 459
 <212> DNA
 <213> Glycine max

DEEDS

<210>	36903
<211>	393
<212>	DNA
<213>	Glycine max

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gatcttggct	gatttgattg	tggtaacaca	aggattcatc	aaaaaagttc	ataaaaaactc	120
ctattgagtt	cttgtattag	agatactcta	aaattaaact	aagctaaaat	aaaaatgtag	180
tatttaactt	aaactttttt	tatattaaat	tctcaaatta	agtaatgcca	cattatatct	240
tttttacatt	tacaggaaca	agttgatatg	agatctattt	agaacaagtt	gtagaatttc	300
aagagaacat	tcacaaacat	atatatttga	tatgagatct	taatgacaag	aataaaagca	360
actaattaaa	gtaaaatttg	tctcttaaaa	ata			393

<400> 36904

15366

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 aaatgaatac acctaaactc aagaataaaa tcagagtaaa catcaatcaa aattcaaatt 300
 ttcaaaggca ttatcccgga accctggctt tatgttgcac caatcagatt aaaactacat 360
 catgttgtgt tt 372

<210> 36905
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36905

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 atatggattc ctctctccct tggctgaact cgtgaaaatg aggaagaagg tccccaaat 120
 ttgcttttaa agaattgtga agataacgtc taaggctttt gtccaaaaga aattttgatt 180
 aagcctaatt gacaagctta attgacacca tgattgacta atggccagcc atgttgaacg 240
 tgctaagtca tgcttccgat ggggtattatt gcttttgaaa tttaaaccac aaatgggttaa 300
 agtagacata ggaaaaaata ctgaaaattg ctttcttacc aacgctccga aatcttatct 360
 taaatgtcta gattaatgtg c 381

<210> 36906
 <211> 483
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36906

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 gaaaatagtt cggttttaag acaacaaccn cccctgtgg gtgtttatgt acgaaagacc 120
 acacaccata caagtaaggg taacatctta ctctccacat agaagggtga cctaacgaaa 180
 taatgtgctt gtgtggtctc tcaaaagatg cataactaaa gccattgtgc gctatgcatt 240
 gataagaggc tttcacccat ctttttacat gttcatgctc atgaagatgg aacatcatac 300
 tcccatgacc tatgcttata taagtgtggg ggcaattagg tctacatacg aatagaactc 360

<210> 36909
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36909

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 aactttacga atttcgtaac aatacttatt ttccttccgc aaggttacga atacttacgg 180
 attatgtatt cactcttttt tagctttcga agaaattaca gaaacttacg gattgcgcaa 240
 aaacacctct tttcgacttc cgccacatta cagaatttca cggatcgcgc aagcctgctt 300
 ccttttagatn tctgagacgt ctcaggactt catttattgt gcaacaaagg acgccaagta 360
 tctcaaagtg gctaaccaaa 380

<210> 36910
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 36910

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 tagcacatta ttaatatataa ttcagtttga gctggacatt cttggtcaca tcaatttctt 120
 attggttgct gtaatgtcat acactcaaac aagttgagag aaatgacgta atgacttctt 180
 aattatttaa ttctaaaagc aaccgaaggt acctaaacga atcaaatac tttcatcgga 240
 taaatgtata tgaaattcac attaattgtga caggcagctt gttaaaat 288

<210> 36911
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 36911

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 gacgagagag gtctctgaaa ttttctcta tcacaacatc aaagttgtcc aagactgaag 120
 aattgaattt ggcaaatgac aaatgacgag tcttagtatt gatctttgtt tctttcccaa 180

gttcttctga tctaaaataa aaatctccac cgagtgatct ggctagatca tgcattgaggt 240
 catgcatcac aaaacatttg ccataaggcc aactacttct atttgtactt gaacgttgga 300
 aaaatgatct cgatatcgaa tcatcaatat actcatgacc aacctcttct aaagtccctac 360
 catt 364

<210> 36912
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36912

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 aaaaagactt ggtaagttgc caactaaact gtctgttggt caacctacac attctttttg 120
 tttgcagggtt acagggttgta tcatctatgg tgaggctcat gaaacacgcc aatgtattcc 180
 cattgaagaa aacacttaac aagttcacta tatgcgaaat caacagagac aaggatatac 240
 tcaaggagga ttctcatgct tctagcaggg tccttataac caacaaggac agtggagatc 300
 acaccctgac aatctattct acaaggacca ggggtggacct tccaacaggc ccattcaaca 360
 agggcctaac atctttcaga ggactactaa gttggag 397

<210> 36913
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36913

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 caaatgatta tgatgataga tgggtcaaatt tctcacanag gtaaacttat cactttcaaa 120
 ttgagctttc aaaactatca tgacatgtaa aggaaaaaca aggatttcaa gtcacaaaat 180
 gtcaagagac ttttattctc agaacaatta ccattactt gaacatatcc tataattcaa 240
 agacaaacat gcaaatttaa tgcaacaaaa ctaacaaaat taaactagaa cccaacaaaa 300
 ctaacaaaat taatctaatt taacacaact aacaaaaccg aaaccaaaga aactccccc 360
 ccatactta aacaacacat tgtcctcaat gtagca 396

<210> 36914
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 36914

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 aacaataaca taccttattc attcaacatg taacttcaca cacaacacga ctaacatacc 120
 ttcgtcattc aacatgtcac atagaccatg aaaaaccaag aaatcagttg aacaatcgtg 180
 tgactctaaa cgataaaaaa caacaaaagc catcctaata tccgagaaag caaacaaaat 240
 acccattctc tgagggtgaca aaccatatcc acaaaaatta cacctcaata tagagaatcc 300
 cagataaaaa aactactctg aatcggtaga caccatcaga ccttagacat aacaaccgag 360
 acctaaacac tatacatgta t 381

<210> 36915
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 36915

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 catagactgc agcaactgat cccatgagca atcctgcaat tagagaatac atgccattct 120
 tttgtatccc tctcatgaat atcaaagagc catttagaac tccattctcc cctttgaaca 180
 cataaccttg tttgtcaaaa tctctcagag aaatcaaatt tctcttcaaa tctaagacaa 240
 gccttacatt cttgatgact ctctcaacac catcatgaag cttaaaccctc acagacccaa 300
 ctcaagtgat cttacaggac ttgttgattc caagtaggat tgaaccacca acttggttcat 360
 ca 362

<210> 36916
 <211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36916

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 tttatttctca gatgatgcag atgggtttgt tnttctctca tgcgctctc tagtgactat 120
 tgcattcattt gtggcgctaa actggtggga gttggaagcc atcttctcaa ttaaatttct 180
 ggcttcagca agagtcattgt ctccaagggc tccaccactg ccaacatcta tcatacttct 240
 ctccatatta ctgagtactt cataaacata ttggagataa aactgttctg aaatctgatg 300
 gtggggccac ctggcacata ttttcttata ctgggggga 339

<210> 36917
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 36917

atatggctat gaatcttagc gggttattat ttatcaaaaa aggacgaaag atagaaaaga 60
 aggaacacat aaaaataagt tctaaaaatt gagaaagggg gataatatac tgaacattca 120
 taaatcatat gtcataaagg agacgtgcc acaagcgtga ccatatatgt ctccactgaa 180
 aaaaataaaa aacttctaatt tttcattttt gacatagaat tggcccattg ataaacatct 240
 gtgcaatcca aaaaacaata cacaataaaa tgaatacacc taaactcaag aataaaatca 300
 gagtaaacat caatctaaat tcaaattttc aaacgcatta tccctggacc ttggctctat 360
 gtttgcataa ctgagattaa aactacatc 389

<210> 36918
 <211> 275
 <212> DNA
 <213> Glycine max

<400> 36918

tgcaaaactt ccgctgctct tccactgggtg atgatcaagg aaggctaaat gttgaagaaa 60
 gggcacaaaa tctcatatgc cctcaccatg gcctaactat tgtgggtggat ttgagaaggg 120
 gctacgtcta agtgcttaag tagagcacac tggaatacaa tcaaaggaat aaccataccc 180
 ataactccaa aaagacattt gtacataaaa aagatgggca aactacctga tactgcctc 240
 acgaaagga aattgtccct cccacaaacc tgtat 275

<210> 36919

<211> 412
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36919

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 tgggggataa gcaagtgtta cttacattct ccatcggaat ttatgttgat gaagtgcttt 120
 gtgatatggt tcccatggaa gccagacatg tggtgcttgg gagaccttgg caatatgata 180
 gagatgctgt ccacaatagg gtcaccaatt gatattcttt cttgcataaa ggtaaaatgg 240
 tagttctctc acctttgtct ccaagtgagg tttgtgagga tcaaataaaa atgagattga 300
 aaagagaaaa agaaaagata ttcaaagtaa gaaaaagtcc ttgagagag aataaccaca 360
 aagaagagaa aacataagag tgaaaccaat tagttataaa gagagtttgt ta 412

<210> 36920
 <211> 164
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36920

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 catttagtgt gtgaacttca tatgcgaagg ccctgtgtgg agctgcatgc agtggtgtnt 120
 tgagttggct ggcacgtgc acgacatgac gatctttgat gatg 164

<210> 36921
 <211> 308
 <212> DNA
 <213> Glycine max

 <400> 36921

 cacttgaaga attgcgactt cggaagtgc attttttgaa atcaatcact ggtaatcgat 60
 taccattaac gtgtgatcga ttacacaaca acagaggtga ttcttcattt tgaattgaga 120
 aaattaaaac gtttagaagc tctggtaatc gattacaagt gttgcgtaat cgattacact 180
 attttataat gatttgaaac tgtaaacac aaattgtaac tcttgataat gtaaacttaa 240
 acgtgttaac aacttggtaa tcccttacta cttcttggtg atcgattacc agagagtata 300

<210> 36922
 <211> 252
 <212> DNA
 <213> Glycine max

<400> 36922

cgaatgtgct acgaccctcc gccatacaca tcgagcgcac cgatttatga taggactcaa 60
 ccacacttcc gaggtaaaag tcttcgtccc tccaatttgc atcgaccatc ggcatcaaata 120
 agcgagcgtc ctcatatgct acgggacttg atccgacttc cgagtgaata gacagtgtca 180
 cattgaaat gctacgatcg gctatcttca ataacaaagg tctcaatgta ttacgggact 240
 ctatcagact ac 252

<210> 36923
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36923

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 ggctgaagag catgtgttgt ggctgtttta ctaccgacgc tggctactgt attttctatt 120
 ccaccctga ataatacttg gacgatgtcg atttggaat gtacgatcgg agtcatccgg 180
 tcatgtttct ttttaagacc tcgatctgtc atcttttctt ggccgacgtc ggctagcatt 240
 gttttcgatc aatatctgtg aatcatgctt gttgccacag tgggctaaca gtttcatggc 300
 tgatgaaatg agagcatgcc aatgtcggtc gaaacacatc ctgcacgat aaaccctatc 360
 cgacctacat tgtaattttt gtaggcaat 389

<210> 36924
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36924

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<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36927

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 accccgcgga gaggccagcg anggagacca aagcgnccna aggngaatch ncaccgacac 180
 ggaaccacac ngcacanacg caggaaacac agaacagnca ggacagaagg gaaccaagac 240
 ataagagata acaggggacga gcgcnaanac agccagaccc gagggcgcgga ggcattgcgca 300
 aggagaccgg tgattgaaca aagattctaaa atgagacaga ggagaaataa cacggatggg 360
 attatatgaa ctatgtcata aatacgtcca tagaaaattg gtatgtatct tagaaagggtg 420
 ataacatact ctcttcgagc tatttgagta aggaatctga gatcatcctg an 472

<210> 36928
 <211> 246
 <212> DNA
 <213> Glycine max

<400> 36928

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 cctaggggtg tcgtgtgccca ttccctatca cgtcacttcc tagggcttgc tccctcctga 180
 attacacgca cacataaaca aaaggttata ttttcttggg taaagcatgc atttccatgt 240
 tttcac 246

<210> 36929
 <211> 249
 <212> DNA
 <213> Glycine max

<400> 36929

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 gtgctcaata acgagcgtct cgagagatta cgcgcgtgaa tccgacgtcc gtgtgaaagg 180

tatgaccatc tgggtcgttc gagagcttcc gttgggcaaa atcaagcggc ccgatttatt 240
 atacacctg 249

<210> 36930
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36930

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 ggaaaacggg tatttcacac tactttttta atacatattc tctttatact tcttaaataa 180
 atgtcaaadc gtaacagaga atatcagctg acttcttcaa tagatgtata acgaaaagaa 240
 acataataat tcacgtaagc aagtaaattg aatatgtctc caataaattt atgccattta 300
 acaatcgttt gtatttgtaa aatatatttc gtactgatta tcatgtacct tttaatgaca 360
 cangagagaa gcacaacacg gaacaaattt gttacgataa gtctaccaat aaaagacaaa 420
 tgtctcgcat tccaattact ta 442

<210> 36931
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36931

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 atcctgctgg gactattgag aaaactgggg cacataaaga gggtagagaaa gagggagaaa 120
 cccatgttgt gactgccatt cctatacggc caagtttccc accaaccctaa caatgtcatt 180
 actcagccaa taacaaacct ccttaccac caccagtta tccacaaagg ccatccctaa 240
 atcaaccaca aagtctgtct accgcacttc caatgacgaa catcaccttt agcacaatcc 300
 aaaaacacgc gccagaat gagttttgta gcggaaaaaa aacctgtaga attcacccaa 360
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 aaccctgcta ggtttctca atctccatt 449

<210> 36932
 <211> 417
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36932

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 ccctctcatg caacttcttt acaaactcta accttgattc cccttcttta tgtataaaag 180
 aagtgtcaag tgggagggga attaggtctt aggggtgtag aggattgaac ccatagataa 240
 cctcaaaagg ggattgcttg gttgttctat gaatccccct gtngtaggaa aattctacat 300
 aaggaagata ctaatcctaa gacttatggg ttcccttcag aaaagccctt aaaagggtgg 360
 atagagaccc attcactacc tttgtttgcc catcaattta tggatgacaa gtggtag 417

<210> 36933
 <211> 173
 <212> DNA
 <213> Glycine max

 <400> 36933

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 taagtctatc atatgctgac aatagccgag aagcccatga atctcttccg ggggtggagta 120
 agtgtatgcc attgccttgg ccttggctaa caagcagga agttcttgac tcc 173

<210> 36934
 <211> 272
 <212> DNA
 <213> Glycine max

 <400> 36934

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 taattcctta tgacttgcaa aatcataacc tggttgcaca aatagaataa cctgtgattt 120
 cctgcataca acccaaagc cttgtaacta actcactacc agtagcatgc ccaagaagat 180
 ttgcttcaat agacattagc atgcatgta tcaattgaac gtgagaaatc atatggcgag 240
 ggtaaatcct taacgcctac atcaatatgc at 272

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<210>      36935
<211>      342
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      36935
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gtcctgagct	gacgtatgct	ggccatgagg	tgaacaacga	gtatcctggg	ctggttgagg	180
agtctccaat	gtgctgtacg	ccaaggatcc	caagtactct	gcgcgccta	tatatctgct	240
gcatattcag	tgttctcggc	gccttcttca	ccctcagaga	cctccacgac	aggtaaagta	300
gcatgtgaaa	cctgtggaat	ggcctcatga	gtaacctcta	tc		342